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ABSTRACT

This survey, which covers the 1986-1987 school year, is conducted by the South Carolina State Department of Education. Two separate questionnaires, both of which inventoried computer equipment and software and dealt with the instructional and administrative uses of computers, funding, and software inventory, were distributed to all South Carolina public school (K-12) principals and district superintendents. A total of 1,099 school (99.8% response rate) and 92 district (100% response rate) forms were returned. Major district findings indicated that all school district offices had computers; over 43% of the total computers used at district level were Apple microcomputers; and the total change in the number of computers at the district level was 180% in 1985 and 83% in 1986. School findings indicated that over 98% of the public schools had computers for either instructional or administrative use; over 95% of the schools having at least one computer (1,061) had at least one printer (1,004); over 90% of the schools had a moderate to major need for more software and computers; the rate of change in total number of computers had decreased in the past 2 years from 134% to 61%; and IBM had replaced Radio Shack as the second largest computer supplier to schools. Detailed survey findings are presented in tables, charts, and graphs together with brief descriptions of computer applications in individual schools and school districts. (CGD)

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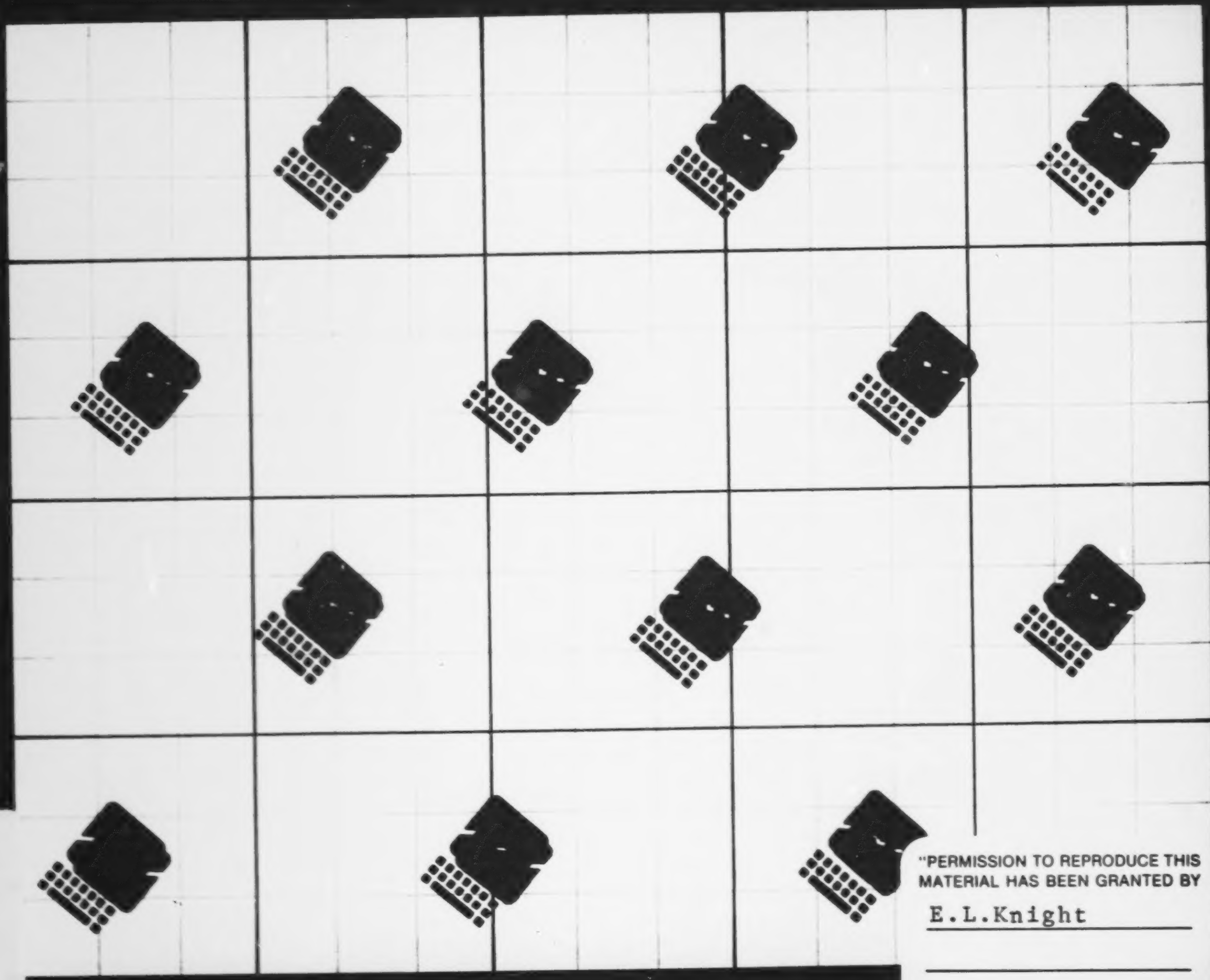
Report on
1986-87
Statewide Computer Survey



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1986-87 STATEWIDE COMPUTER SURVEY REPORT

DEPARTMENT of EDUCATION
SOUTH CAROLINA

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Office of Instructional Technology

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December 1987

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Introduction

The 1986-87 Computer Survey is the fourth statewide survey conducted by the Office of Instructional Technology, State Department of Education. This survey was conducted in April, 1987.

Tables, charts and graphs are provided to illustrate results description of the 1986-87 statewide survey. Trends and other descriptive statistics are provided as useful tools to assist educators with their decision-making in the use of technology.

Survey Design

The questionnaire inventoried computer equipment and software, and dealt with such issues as the instructional and administrative uses of computers, funding and software inventory. A 15-question school form and a 10-question district form was distributed to all South Carolina public school principals and district superintendents.

Response Rate

A total of 1,099 school and 92 district forms were received for response rates of 99.8 percent and 100 percent, respectively.

Survey Highlights

Major findings of the survey includethe following:

District

- All school district offices had computers.
- Over 43 percent of the total computers used at the district level were Apple computers.
- The total rate of change in the number of computers at the district level was 180 percent in 1985 and 83 percent in 1986.
- The largest percentage (880 percent) change in the number of computers used belonged to NCR.
- 2.6 percent of all printers were the laser printers.
- The largest portion of funds spent on computer equipment was provided from state sources (46 percent).

School

- Over 98 percent of public schools had computers for either instructional or administrative use.

- Over 95 percent of the schools having at least one computer (1,061) had at least one printer (1,004).

- Over 90 percent of the schools responded that they have a moderate to major need for more software and more computers.

- The student-computer ratio dropped by 62.5 percent from 1:40 to 1:25, during 1985 and 1986 respectively.

- The rate of change in the total number of computers has slowed down over the past two years (from 134 percent in 1985 to 61 percent in 1986).

- IBM replaced Radio Shack at the school level as the second largest computer supplier to schools. The largest rate of change in the number of computers belonged to IBM (161 percent over last year).

- The percent of schools using BSAP software correlation books was 43.9 percent in 1986.

- Of equipment planned to be acquired during the next year, over 87 percent of the schools' computers and more than 69 percent of their printers were designated for instructional use. (Schools earmarked 84.1 percent of their computers and 66 percent of their printers for instructional use.)

- Schools indicated that the rate of computer literate certified faculty increased from 25 percent, 37 percent to 45 percent during 1984, 1985 and 1986, respectively.

- More computers and more trained personnel were recognized as the greatest single obstacles to the use of computers in instruction.

- A typical student spent as little as 6.51 hours on computers for physical education, on the average, and as much as 171.41 hours on micro use in business education.

- Inventory of the most popular instructional software revealed that the areas of mathematics and English/language arts represented the majority of the software programs available for instructional use.

SURVEY RESULTS

I. Computer Equipment Inventory

A. District Office Survey of Computers and Printers

I. Computers

A total of 1,199 computers, comprising over 24 brands, and 848 printers were located in school district offices. The number of computers reported by the districts is illustrated in the table below.

Year	Number of Computers	Number of Districts
1986-87	1,199	92
1985-86	656	92
1984-85	234	88
1983-84	323	73

The top five computers in school district offices, their quantities and percentage change over last year are listed below.

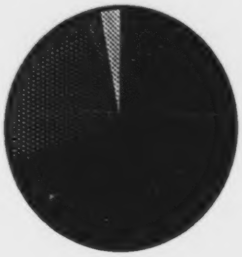
1986 Computer Survey of School District Offices

Brand of Computer					All Computers		Percent of Percent Change	
	1986	1985	1984	1983	1986	1985	1986	1985
Apple	526	290	91	70	43.8%	44.2%	81%	219%
IBM	343	232	59	26	28.6%	35.4%	49%	293%
Radio Shack	79	51	39	80	6.6%	7.8%	55%	31%
NCR	98	10	3	4	8.2%	1.5%	880%	233%
Other	153	73	37	17	6.3%	12.8%	109%	97%
Total	1,199	656	234	323	100%	100%	83%	180%

The Apple brand of PCs captured 43.8 percent of school district offices' computer equipment inventory, which is the largest share.

2. Printers

The breakdown of printers are illustrated by the following chart and table.



	Type of Printer	Total	Percentage of Quantity
■	Dot Matrix	567	66.9%
■	Letter Quality	231	27.2%
▨	Laser	22	2.6%
☐	Other	28	3.3%
	Total	848	100%

Over 66 percent of the printers are dot matrix. Table 1 on page 18 illustrates, over 18 percent of the districts had one printer, and only 16.3 percent had 10 or more printers to use.

B. School Survey of Computers and Printers

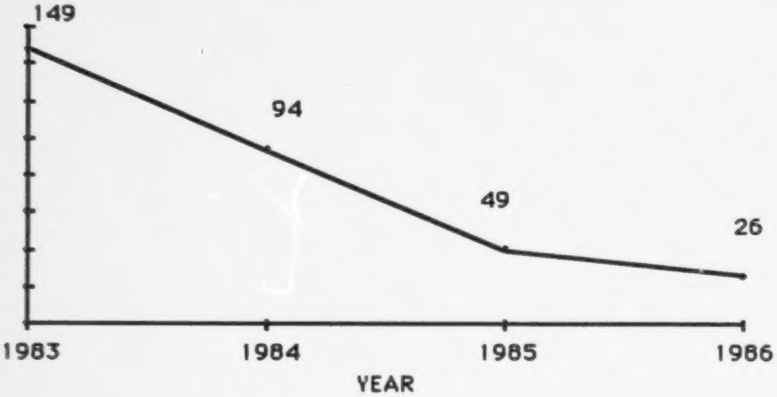
1. Computers

The number of schools having computers has increased substantially over the past four years. Over the past two years, the total number of computers in schools increased from 6,400 to 24,041, a 275.6 percent increase. The number of computers and the student ratio reported by schools are illustrated in the following table.

Years	Number of Computers	Number of Students Per Computers	Number of Schools with Computers
1986-87	24,04	25*	1,061
1985-86	14,959	40	1,028
1984-85	6,400	94	907
1983-84	4,054	149	749

**Total number of students used is 610,050.23 ADM 135-Day based on Office of Research data.*

The student-to-computer ratio improved to 1:25, compared to the past year's ratio of 1:40. This ratio has been decreasing steadily over the past four years. See the following graph.



1983-1986 STUDENT RATIO COMPUTERS

The number of computers used in the schools by major brand, percent of all computers, and percent change over last year are given in the table below.

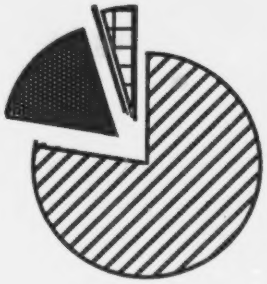
Top Five Computer Brands Used in Schools

Brands of Computers	1986	1985	1984	1983	Percent of All Computers 1986	Percent of All Computers 1985	Percent Change 1986	Percent Change 1985
Apple	14,686	8,681	3,290	1,833	61.1%	58.0%	69%	163%
IBM	3,574	1,367	249	113	14.9%	9.1%	161%	453%
Radio Shack	2,071	1,817	1,218	906	8.6%	12.2%	14%	49%
Commodore	854	852	561	343	3.5%	5.7%	2%	52%
Atari	494	273	240	174	2.1%	1.8%	81%	5%
Other	2,363	1,969	842	685	9.8%	13.2%	20%	134%
Total	24,041	14,959	6,400	4,054	100%	100%	61%	134%

The Apple brand of PCs persisted in having the largest share of schools' computer equipment (61 percent). IBM had the largest jump from last year (it increased by 161 percent). This rate of increase has slowed down somewhat in comparison to last year (134 percent). Table 2 on page 19 shows the number of computers, brand/model and their designated use in the schools. Table 3 on page 20 shows that only 6.5 percent of the schools had one computer. Furthermore, 53 percent of the schools surveyed had 10 or more computers.

2. Printers

Printers are subdivided into four broad categories. The distribution of the printers is illustrated as follows:



	Printer Type	Quantity	Percent of Total
▨	Dot Matrix	5,381	78.55%
■	Letter Quality	1,134	16.6%
■	Laser	29	0.4%
▦	Other	306	4.5%
	Total	6,850	100%

Over 78 percent of all printers were dot matrix. Table 4 on page 20 shows the distribution and use of printers in the schools. Table 5 on page 21 illustrates the frequency distribution of the schools' printers. Over 15.3 percent of the schools had one printer, and 14.8 percent of the schools had 10 or more.

II. Instructional and Administrative Uses, Hardware, Software, and Funding

A. District Office Computer Survey

All districts reported having at least one computer. Other technologies, such as videodiscs and data communications were in use in 90 percent and 75 percent of the districts, respectively. Over 35 percent of all computers and over 69 percent of all printers were allocated to administrative use at the district level.

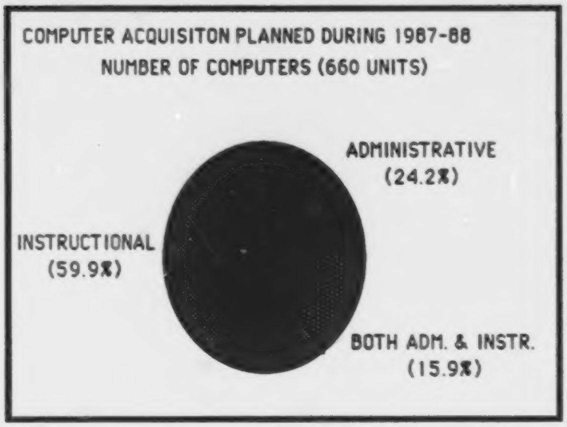
1. Telechnologies Used in Education

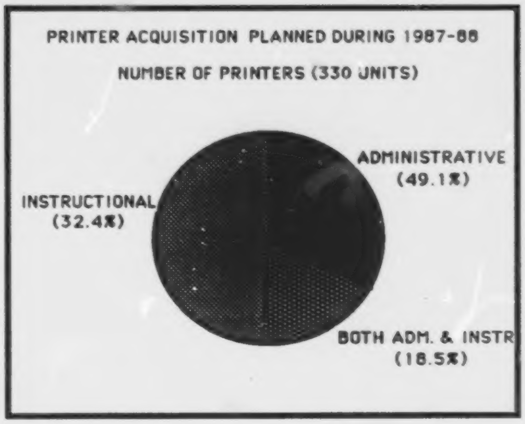
District Computer Survey

(Total Districts Responding: 92)

	Total Yes (Percent)
Technology Use	1986
Microcomputers	92 (100%)
Videodiscs	83 (90%)
Data Communications	69 (75%)

	Number and Percent of Districts Responding		
	1986	1985	1984
Instructional Use of Computers and Printers			
1. Use district computer(s) for instruction.	13 (14%)	30 (32%)	22 (25%)
2. Use district computer(s) for staff development.	22 (24%)	34 (37%)	26 (30%)
3. Plan to buy computer(s) during the following year.	9 (10%)	44 (47%)	35 (40%)
4. Plan to buy printer(s) during the following year.	9 (10%)	——	——
Administrative Use of Computers and Printers			
5. Use computer(s) for administration.	70 (76%)	82 (88%)	67(79%)
6. Use printer(s) for administration.	79 (86%)	——	——
7. Plan to buy computer(s) during the following year.	30 (33%)	57 (61%)	45 (53%)
8. Plan to buy printer(s) during the following year.	33 (36%)	——	——


COMPUTER ACQUISITON PLANNED DURING 1987-88
NUMBER OF COMPUTERS (660 UNITS)


PRINTER ACQUISITION PLANNED DURING 1987-88
NUMBER OF PRINTERS (330 UNITS)

2. Funds Spent on Computer Equipment

Funding Sources at the School-Districts During 1986-87

	Subtotal	Federal	State	Local & Others
Hardware	$11,621,940	$3,194,639	$5,617,878	$2,809,423
No. of Districts	83	58	63	57
Software	3,036,723	1,042,690	1,125,860	868,193
No. of Districts	83	54	48	53
Total Amounts	$14,658,663	$4,237,329	$6,743,718	$3,677,616

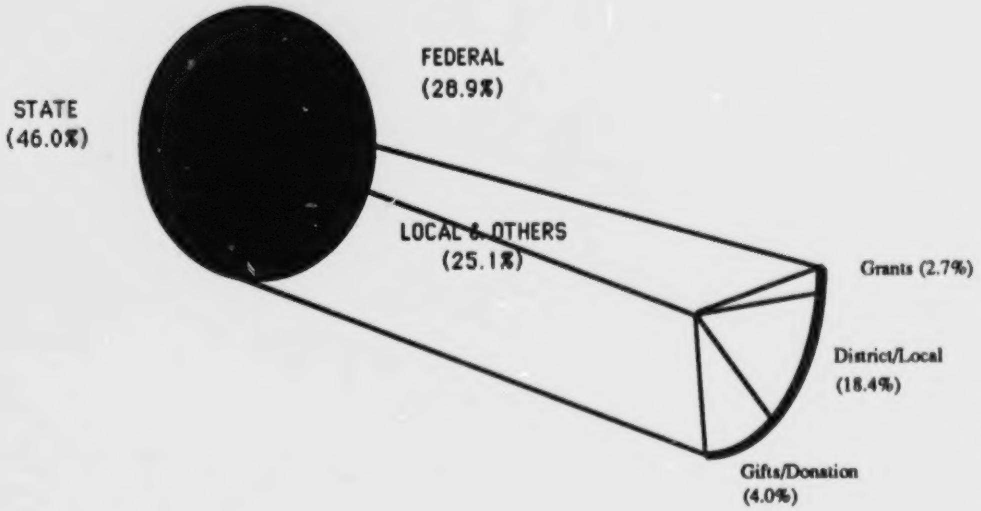
3. Estimated utilization at the district office level.

Funds Spent on Computer Equipment During 1986-87

	Amount Spent	Number of Districts Reported
Hardware	$1 207,902 (84.1%)	68
Software	228,858 (15.9%)	63
Total	$1,436,760	

Ten percent of the total amount of spending on software and hardware was retained at the district office.

PERCENT OF FUNDS SPENT ON COMPUTER EQUIPMENT BY FUNDING SOURCE DURING 1986-87



B. School Computer Survey

Almost all schools (98 percent) had at least one microcomputer. They were used primarily for instructional purposes (89 percent).

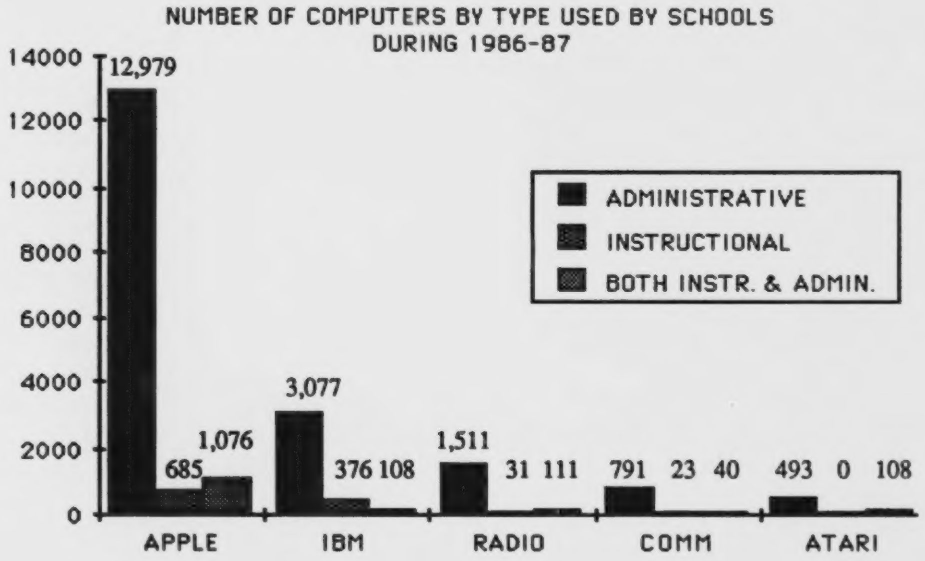
1. Technologies Used in Education

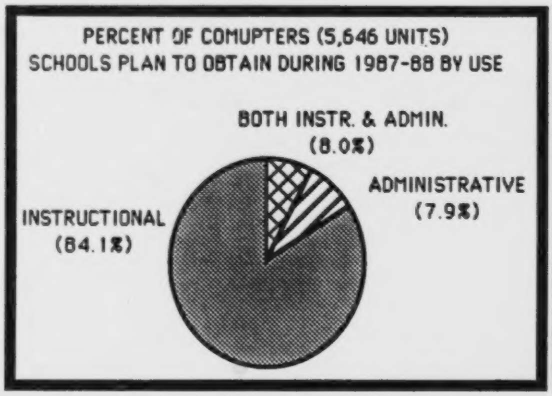
School Computer Survey

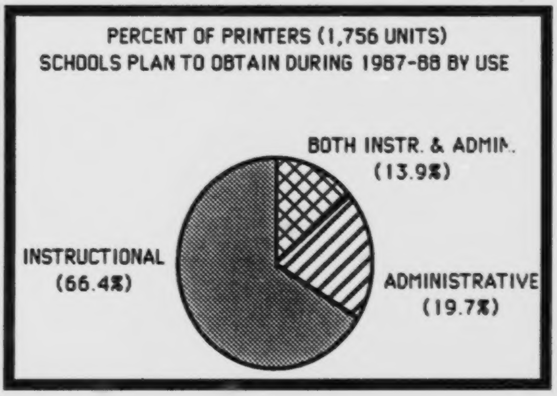
(Total Schools Responding: 1,099)
Number of Schools Responded Yes

Technology Use	1986-87 (Percent Yes)	
Microcomputers	1,072	(98%)
Robotics	33	(3%)
Videodiscs	77	(7%)
Data Communications	105	(10%)

	Number and Percent of Schools Responding		
	1986	1985	1984
Instructional Use of Equipment			
1. Use school computer(s) for instruction.	978 (89%)	981 (95%)	734 (81%)
2. Use school printer(s) for instruction.	791 (72%)	——	——
3. Plan to buy computer(s) during the following year.	437 (40%)	603 (59%)	523 (58%)
4. Plan to boy printer(s) during the following year.	338 (31%)	——	——
Administrative Use of Equipments			
5. Use computer(s).	414 (38%)	549 (53%)	331 (38%)
6. Use printer(s).	564 (51%)	——	——
7. Plan to buy computer(s) during the following year.	264 (24%)	——	——
8. Plan to buy printer(s) during the following year.	225 (21%)	——	——
Use of Equipment for Both Administrative and Instructional Purposes			
9. Use computer(s).	228 (26%)	——	——
10. Use printer(s).	312 (28%)	——	——
11. Plan to buy computer(s) during the following year.	110 (10%)	——	——
12. Plan to buy printer(s) during the following year.	124 (11%)	——	——


NUMBER OF COMPUTERS BY TYPE USED BY SCHOOLS DURING 1986-87





2. Staff Development

The number of school faculty considered to be computer literate has risen substantially, from 25 percent two years ago to 45 percent last year.

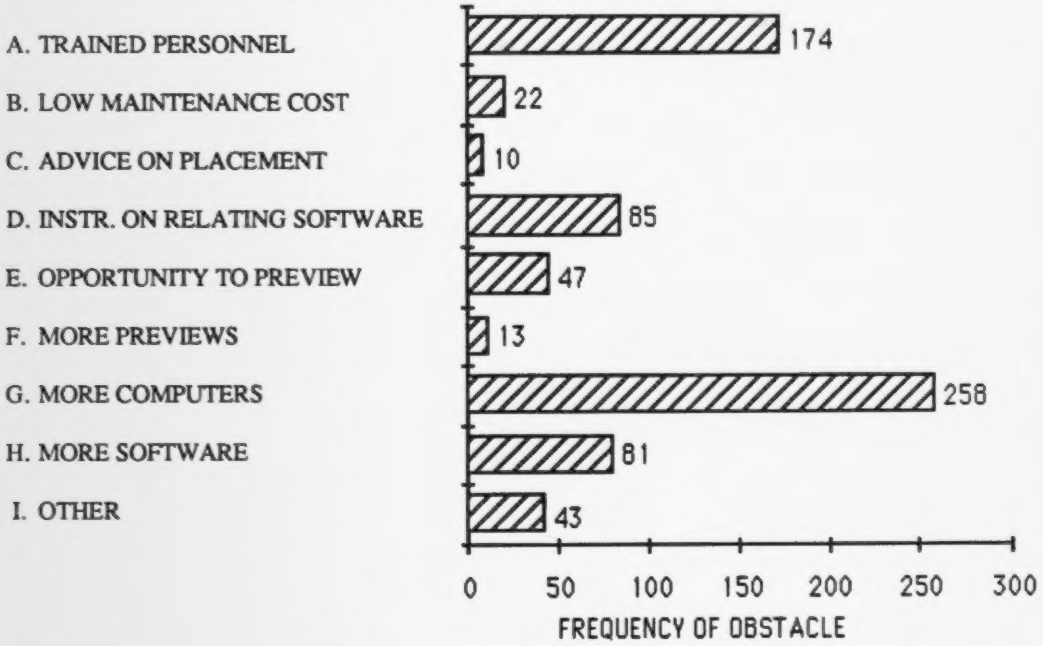
	1986	1985	1984
1. Number of computer-literate certified faculty *(from total of 39,222.1).*	17,743 (48%)	13,497 (37%)	9,044 (25%)
2. Use computers for instruction. *(from total of 39,222.1 in Fall 1986)* *Reference: Selected Facts by MIS S.C.D.E.*	11,278 (28%)	——	——

3. Improvement in Instructional Use of Computers

The major needs for improving the instructional use of computers in the schools were the needs for software (63.4 percent) and more computers (56.6 percent). The "reviews of software" appeared to be among the most significant of the moderate degree needs (54.1 percent). The least important of all items iwas the "need for advice on placement of microcomputers (52.8 percent). The need for "more reviews of software" and "trained personnel" were found to be the third and fourth most important need items, respectively, on the list. The information below presents a summary of the need items in the survey.

NEED ITEMS	MAJOR	MODERATE	LITTLE OR NONE
A. Trained personnel	358 (47.4%)	333 (44%)	65 (8.6%)
B. Lower maintenance costs, faster service	207 (28%)	304 (41.1%)	229 (30.9%)
C. Advice on placement of micros	66 (9%)	284 (39%)	179 (52%)
D. Instruction on relating software to lessons	329 (44.3%)	342 (46%)	47 (6.3%)
E. Opportunity to preview software	377 (50.7%)	321 (43%)	47 (6.3%)
F. More reviews of software	249 (33.7%)	399 (54.1%)	90 (12.2%)
G. More computers	430 (56.6%)	265 (34.9%)	65 (8.5%)
H. More software	480 (63.4%)	248 (32.8%)	29 (3.8%)
I. Other	78 (61.4%)	23 (18.1%)	26 (20.5%)

FREQUENCY OF THE GREATEST SINGLE OBSTACLE
TO USE OF COMPUTERS FOR INSTRUCTION



The most frequent single obstacle pointed out by school officials was found to be the insufficient number of computers, followed by the lack of trained personnel.

4. Students Use of Computers

The largest concentration of students using computers was in the area of "mathematics " (28.07 percent of total student 610,050.23 in SC). "English/Language Arts" was second (22.78 percent). The areas of "computer literacy/education" and "science" were third and fourth in ranking the order of student by computer use.

NUMBER OF STUDENTS USING COMPUTERS IN THEIR CURRICULUM DURING 1986-87

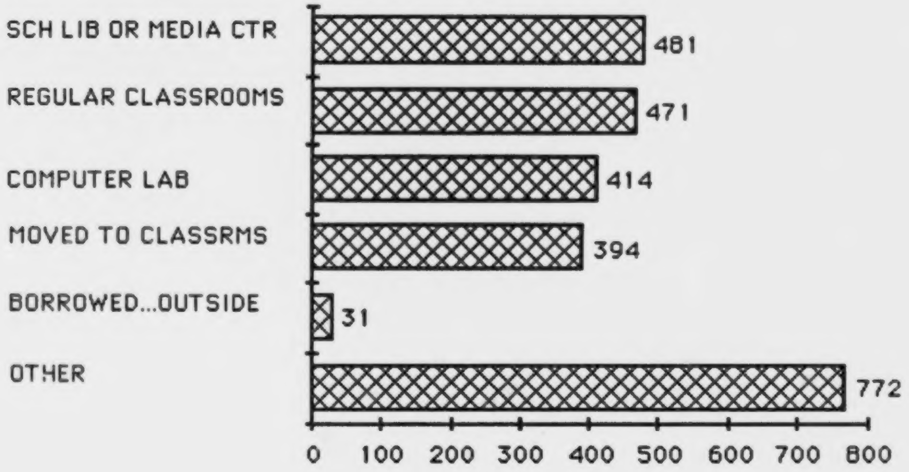
SUBJECT	NUMBER OF SCHOOLS	NUMBER OF STUDENTS	NUMBER OF HOURS
ARTS	89	14,969	15.21
BUSINESS EDUCATION	183	20,545	171.40
COMPUTER LITERACY/ED	499	95,095	77.44
COMPUTER SCIENCE	183	24,143	68.82
ENGLISH/LANG.ARTS	782	175,276	56.35
ENGLISH AS A SECOND LANG.	14	1,560	20.52
FOREIGN LANGUAGE	51	3,513	26.02
HEALTH EDUCATION	63	7,354	54.67
HOME ECONOMICS	56	4,498	24.51
INDUSTRIAL ARTS	24	2,354	44.46
MATHEMATICS	877	214,146	70.61
MUSIC	81	10,526	15.33
PHYSICAL EDUCATION	13	2,452	6.51
SCIENCE	371	67,033	39.09
SOCIAL STUDIES	347	58,764	36.98
VOC ED.	97	6,806	67.86
OTHER	277	32,902	56.39

A typical student spent an average of 6.51 to 171.40 hours in the above subject areas. The median total of hours a typical student spent on using computers was 44.46 hours, on the average, in industrial arts. Students spent an average of 50.13 hours per course using computers

5. Location of computer in schools.

The following graph illustrates the distribution of computers by source or location in schools.

NUMBER OF SCHOOLS HOSTING THEIR COMPUTERS
IN THE LISTED LOCATION



The two most common locations for computers were the media center and regular classrooms. The number of schools that borrowed computers from sources outside the schools comprised the least common location for school computers.

Instruction Software Used by Schools

1. References for Acquiring Software.

Microcomputer software/BSAP correlation books have been published by the Office of Instructional Technology (OIT) since May 1984. They serve as an advisory reference to available software programs that address specific objectives for students in grades 1-8 in all three BSAP curriculum areas- language arts, mathematics and science. The software/BSAP correlation books provide a consolidated, yearly updated listing of recommended microcomputer software programs available in the software market. For further information contact OIT, State Department of Education, Columbia, South Carolina 29201.

Table i-1

Number of Schools Acquiring Software
Using the Software/BSAP Correlation Books

Subject	Total	To a Large Extent	To Some Extent	Not At All
Language Arts	694 (100%)	139 (20.0%)	328 (47.3%)	227 (32.7%)
Mathematics	696 (100%)	151 (21.7%)	332 (47.7%)	213 (30.6%)
Science	598 (100%)	61 (10.2%)	222 (37.1%)	315 (52.7%)
Other References	461 (100%)	47 (10.2%)	149 (32.3%)	265(57.5%)

Note that only a maximum of the 696 (63.3%) schools answered this item in the questionaire.

The data on Ttable i-2 reveals the following facts. The largest use of the softwar/BSAP correlation books was in acquiring mathematics software (69.4 percent) of the respondents). This response rate revealed an increase from 57 percent in 1985-86 to 69.4 percent in the 1986-87 survey. However, the absolute number of schools using BSAP correlation books in mathematics decreased from 589 to 483.

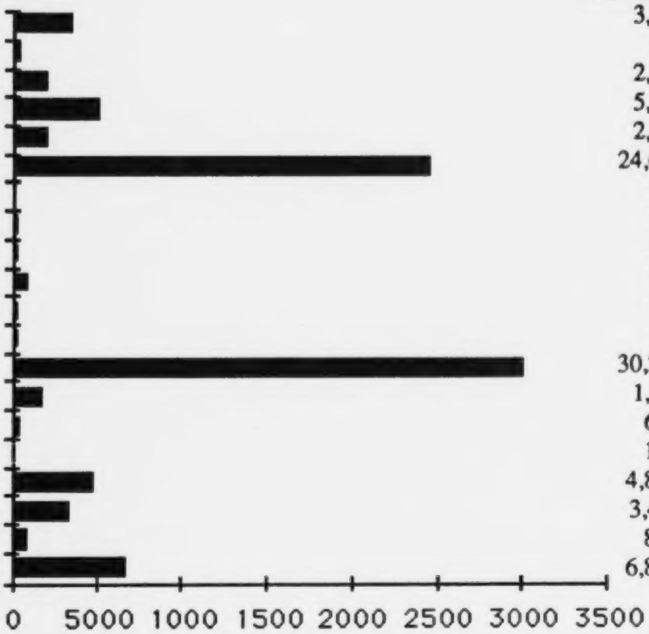
Table i-2

	From Some to a Large Extent	
Subject	1986-87	1985-86
Language Arts	467 (67.3%)	——
Mathematics	483 (69.4%)	589 (57%)
Science	283 (47.3%)	-----
Other References	196 (42.5%)	——

2. Software Used in Schools

Among the copies of the software program reported to be located in schools, only 4.04 percent of the titles were reported to be administratively applied. The largest number of copies were reported to be in the areas/subjects of mathematics, then followed by English/language arts. The following table-graph shows the total number of software available in the schools.

NUMBER OF SOFTWARE TITLES/PROGRAMS



AREA/SUBJECT	NO. OF PROGRAMS	%	NO. OF SCHOOLS
Administration	3,659	4.04%	481
Art	689	0.76%	197
Business Educ.	2,270	2.51%	184
Comp Literacy	5,180	5.72%	467
Comp Science	2,234	2.47%	162
Eng/Lang Arts	24,664	27.24%	641
Eng/Sec Lang.	311	0.34%	14
Foreign Lang.	398	0.45%	89
Guidance	478	0.53%	132
Health Educ.	899	0.98%	176
Home Econ.	509	0.56%	91
Industrial Arts	353	0.39%	42
Mathematics	30,237	33.40%	683
Media Center	1,837	2.03%	246
Music	659	0.73%	188
Physical Educ.	184	0.20%	72
Science	4,807	5.31%	443
Social Studies	3,482	3.81%	438
Voc. Educ.	884	0.98%	85
Other	6,808	7.52%	277

3. Use of SEED Project Reviews as a Software Reference

The Software Evaluation Exchange Dissemination (SEED) Project is a collaborative effort coordinated by the Southeastern Educational Improvement Laboratory and the state departments of education in Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, and South Carolina. The SEED software evaluation process has been designed and implemented by staff members of participating state education agencies.

Beginning in September 1985, each state selected and trained educators as software reviewers for the evaluation of K-12 instructional software using a standard SEED evaluation form of process. Each title is evaluated by three persons, from which a single review an annotation is compiled. The first set of 123 annotations was provided in November 1986 to superintendents, computer coordinators, principals, and district staff members.

From a total 1,099 schools responding to the current survey, only 461 indicated that they received the SEED Project Software Reviews (PSR). However, 480 schools revealed that they had access to a copy. Another 45 percent of those who had access to SEED-PSR actually used it in selecting software.

The greatest area where SEED-PSR has helped was reported to be in the time saved on previewing software. The following graph shows the number of schools that used the SEED-PSR and received the indicated type of help.

Help From Using SEED-PSR

Help Area	Number of Schools
Saved some time previewing software.	168
Provided source of quality reviews.	147
Saved some time on locating reviews.	144
Saved some money on software purchases.	45

Overall, 60 percent of those who had access to a copy of SEED-PSR believed that the publication has been helpful in their decision making.

Table 1

Frequency of Computer and Printer Units in Districts in 1986-87

Number of Computers	Number of Districts with Computers	Number of Districts with Printers
1	33	17
2	24	10
3	10	19
4	3	9
5	0	9
6	0	6
7	1	0
8	3	3
9	1	2
10	0	1
11	0	0
12	0	2
13	0	0
14	0	1
15	3	1
16	0	0
17	2	2
18	0	2
19	0	0
21 +	11	6
Total Districts	91	90

Table 2

REPORT OF THE USE OF COMPUTER IN SCHOOLS LISTED BY USE AND BRAND-MODEL

COMPUTER	TOTAL	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
BRAND MODEL.	QTY.	QTY.	DISTS.	SCHS.	QTY.	DISTS.	SCHS.	QTY.	DISTS.	SCHS.
APPLE(II, II+, IIC)	14,577	12,913	101	910	663	80	395	1,055	59	280
APPLE(MAC)	109	66	24	22	22	9	14	21	9	10
AT & T	3	0	2	0	3	2	2	0	0	0
ATARI	494	493	20	78	0	0	0	1	1	1
BELL & HOWELL	3	3	2	2	0	0	0	0	0	0
BURROUGHS	3	3	2	2	0	0	0	0	0	0
CCC (SLS-1)	423	414	14	44	4	3	4	5	2	2
COLUMBIA	21	21	1	1	0	0	0	0	0	0
COMMODORE	854	791	44	131	23	6	7	40	6	8
COMPAQ DATA	1	3	1	0	1	1	1	0	0	0
CONTROL DATA	1	1	1	1	0	0	0	0	0	0
DIGITAL	92	50	45	34	22	16	19	20	14	18
EPSON	12	10	3	1	2	2	2	0	0	0
FRANKLIN	39	34	7	10	3	2	3	1	1	1
IBM DISPLAY	2	1	1	1	1	1	1	0	0	0
IBM PC	2,026	1,833	57	97	139	32	82	40	100	14
IBM PC (34, 36)	119	100	15	10	12	7	9	7	5	5
IBM PC AT	220	102	39	28	111	34	95	7	4	6
IBM PC JR	799	743	34	86	18	10	14	38	8	9
IBM PC XT	408	298	44	37	95	33	80	16	11	14
KAYPRO	30	26	3	2	3	1	2	1	1	1
LANIER	156	152	12	13	4	2	2	0	0	0
LEADING EDGE	58	35	10	5	23	8	15	0	0	0
MONROE	22	20	6	4	2	2	2	0	0	0
MORROW	1	1	1	1	0	0	0	0	0	0
NCR	369	39	72	31	311	70	290	22	18	21
NEC	1	0	1	0	0	0	0	1	1	1
NIDORF	4	1	4	1	3	3	3	0	0	0
SANY0	1	3	1	0	0	0	0	1	1	1
SCOIS	3	2	3	2	0	0	0	1	1	1
SONY	31	21	2	3	0	0	0	10	1	
SPERRY	24	1	13	1	22	13	19	1	1	1
TANDY	418	401	25	34	13	9	10	5	4	5
TELEVIDEO	2	3	2	0	2	2	2	0	0	0
TI	452	434	30	70	8	4	4	10	1	2
TIMEX	1	1	1	1	0	0	0	0	0	0
TRS-80 (I-IV)	1,257	1,132	52	163	28	16	22	97	13	23
TRS-80 COLOR	396	379	34	72	3	3	3	14	4	4
VARITYPER	3	0	1	0	0	0	0	3	1	1
VIEWPOINT	1	0	1	0	1	1	1	0	0	0
WANG	102	97	5	6	4	3	4	1	1	1
WICAT	370	360	3	12	7	1	7	3	1	3
XEROX	51	32	2	2	0	0	0	19	2	3
ZENITH	82	78	13	12	0	0	0	4	1	1
	24,041*	21,089*			1,553*			1,444*		

******Note: A few schools entered their equipment more than once in this column.*

Table 3

FREQUENCY OF COMPUTER UNITS IN K-12 SCHOOLS

Number of Computers in Schools	Number of Schools with Computers			Percent of Schools with Computers		
	1986	1985	1984	1986	1985	1984
1	69	177	333	6.5%	17%	36.5%
2	49	104	154	4.5%	10%	16.9%
3	62	90	75	5.8%	8%	8.2%
4	53	60	70	5.0%	7%	6.7%
5	48	61	44	4.5%	6%	4.8%
6	51	61	31	4.8%	6%	3.4%
7	47	52	36	4.4%	5%	3.9%
8	51	47	20	4.8%	4%	2.2%
9	49	39	17	4.6%	4%	1.9%
10	36	44	23	3.4%	4%	2.5%
11	26	40	18	2.5%	4%	2.0%
12	39	29	18	3.6%	3%	2.0%
13	37	20	8	3.5%	2%	.9%
14	38	20	11	3.6%	2%	1.2%
15	30	26	9	2.8%	2%	1.0%
16	31	24	5	2.9%	2%	.5%
17	34	22	9	3.2%	2%	1.0%
18	28	17	6	2.6%	2%	.7%
19	21	9	7	1.9%	0%	.8%
20	15	21	4	1.4%	2%	.4%
21 +	47	83	13	23.2%	8%	1.4%
Total Schools	1,061	1,061	911	100%	100%	100%
Schools with 10 or more computers: 582	355	131				

Table 4

REPORT OF THE USE OF PRINTERS IN SCHOOLS LISTED BY USE AND BRAND-MODEL

COMPUTER BRAND MODEL	TOTAL QTY.	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
		QTY.	DISTS.	SCHS.	QTY.	DISTS.	SCHS.	QTY.	DISTS.	SCHS.
DOT MATRIX	5,381	3,808	104	713	881	91	508	702	72	274
LASER	29	14	14	9	9	7	9	6	4	5
LETTER QUALITY	1,134	711	95	195	297	73	216	130	37	66
OTHER	306	204	54	76	66	28	54	33	13	19
TOTALS	6,850 *	4,737 *			1,253 *		871 *			

**Note:* *A few schools entered their equipment more than once in this column.*

Table 5

FREQUENCY OF PRINTER UNITS IN K-12 SCHOOLS

Number of Printers in Schools	Number of Schools with Printers	Percent of Schools with Printers
0	95	8.6%
1	168	15.3%
2	166	15.1%
3	159	14.5%
4	108	9.8%
5	84	7.6%
6	64	5.85%
7	39	3.5%
8	35	3.2%
9	18	1.6%
10	28	2.5%
11	16	1.5%
12	15	1.4%
13	10	.9%
14	9	.8%
15	10	.9%
16	8	.7%
17	9	.8%
18	4	.4%
19	10	.9%
20	9	.8%
21+	35	3.2%
Total Schools	1,099	100%

Schools with 10 or more printers: 163

Profile on Instructional and Administrative Uses of Computers and Future Plans

by

School District

The information provided in this section of the report provides an overview of the instructional uses to which computers are employed in schools of the 92* state's school districts by grade and brand and model of equipment. A brief description of future uses is also included. The total number of computers and printers by brand and model employed instructively, administratively or both is identified.

This information is recommended as a reference for school district administrators and other educators desiring to compare or explore applications of computers between school districts of the state.

Explanation of Terms:

A. **Instructional uses of computers in district schools**

District/Contact: Provides the name and address of the contact person for the school district who prepared the inputfor the district office survey form.

Instructional Uses: This column is a listing of subject areas in which computers are used. Use as a "Tool" equates with uses of word processing, data base management or for spreadsheets.

Grade: Indicates the grade level or grade range in which each brand and model is employed for various instructional use.

Brand/Model: Identifies the computers used at each grade level for each particular instructional use.

Descriptions: Provides additional information on use by broad grade range, ie., elementary, middle/junior and secondary schools.

B. **Future Plans**: Provides a brief description of future applications of computers by grade level to include remarks on projected purchases and training plans.

**Includes the Department of Youth Services.*

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ABBEVILLE Mrs. Lee R. Murphy Math Coord. P. O. Box 520 Abbeville, SC 29260 459-5427	COMP LIT	5-12	Apple IIe	
	COMP PROG	9-12	Apple IIe	
	READ/LANG	K-12	Apple IIe/CCC/ Apple IIGs	
	SCIENCE	K-12	Apple IIe	
	MATHEMATICS	K-12	Apple IIe/CCC/ Apple IIGs	
	S STUDIES	K-12	Apple IIe	
	FOREIGN LANG	9-12	Apple IIe	
	TOOL	K-12	Apple IIe	
	BUS EDUC	9-12	Apple IIe	
	OTHER VOC ED	11-12	Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS

FUTURE PLANS

None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	110	100	7	3	55
DISTRICT OFFICE:	18	13	5	0	5

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
AIKEN Nance Dukes Pathways Coord. P. O. Box 1137 Aiken, SC 29801 648-1311	COMP LIT	12	Apple IIe/ TRS-80 Mod 4	Elementary-- Computer specialist in all elementary schools. A minimum of 11 Apples at each school are used to supplement regular classroom instruction.
	COMP PROG	9-12	Apple IIe/ TRS-80 Mod 4	
	READ/LANG	1-12	Apple IIe	
	SCIENCE	1-5	Apple IIe	
	MATHEMATICS	1-12	Apple IIe	Middle--All schools equipped with a computer literacy wb., keyboarding and literacy. Additional computers are available for compensatory/remedial students to use for remedial work.
	S STUDIES	1-5	Apple IIe	
	TOOL	1-12	Apple IIe/ TRS-80 Mod 4/ Tandy 1000	
	BUS EDUC	9-12	Tandy 1000	High--All high schools offer computer literacy and business education via the computer. AP programming and computer math is offered at some schools. Remedial reading and math labs utilize computer assisted instruction at all high schools.

SCHOOL & DISTRICT OFFICE COMPUTERS

FUTURE PLANS

Possible expansion of the compensatory/remedial program with computer assisted instruction.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	1,065	929	66	77	217
DISTRICT OFFICE:	18	0	16	2	17

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ALLENDALE Gary West Fed. Proj. Coord. P. O. Box 458 Allendale, SC 29810 584-4603	COMP LIT	1-12	IBM PCjr	IBM PCjr's are used in compensatory and remedial reading and math centers and in special ed classrooms. IBM PCjr's and Apple IIe's are available for classroom use from libary. IBM PC's are used in business/office skills instruction and for staff development. Instructional computers were purchased with EIA, Chapter 1 and Chapter 2 funds. IBM PCjr's and Compaq computers are used for district administration. NCR for pathways.
	COMP PROG	9-12	IBM PC	
	READ/LANG	1-12	IBM PCjr/ Apple IIe/ DEC Rainbow 100	
	SCIENCE	1-12	IBM PCjr/ Apple IIe	
	MATHEMATICS	1-12	IBM PCjr/ Apple IIe	
	S STUDIES	1-12	IBM PCjr/ Apple IIe	
	TOOL	1-12 Adult Ed	IBM PCjr/ IBM PC	
	BUS EDUC	9-12	IBM PC	
	OTHER VOC ED	ADULT	IBM PC	
	OTHER	SP ED	IBM PC/ IBM PCjr	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Instructional hardware to be added			More computers and printers.
	Teacher tool software to be added			Test generators/databases.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	116	106	8	2	24
DISTRICT OFFICE:	7	0	7	0	6

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION

SCHOOL COMPUTERS

ANDERSON #1
Steve Uldrick
Business Manager
P. O. Box 99
Williamston, SC 29697
847-7344

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	200	189	10	1	40
DISTRICT OFFICE:	4	0	4	0	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ANDERSON #2	COMP LIT	1-12	Apple IIe	-Used in elementary and middle school Chapter I math classes for tutorial drill and practice purposes.
John W. Eaves	COMP PROG	1-12	Apple IIe	
Dist. Comp. Coord.	READ/LANG	1-12	Apple IIe/	
Box L			Apple IIGs	-Used for practicing skills already taught by the compensatory and remedial teachers.
Honea Path, SC 29654	SCIENCE	1-12	Apple IIe	
369-7364	MATHEMATICS	1-12	Apple IIe	
	S STUDIES	1-12	Apple IIe	-Used by gifted and talented with wordprocessing, mathematics, science, problem solving and programming.
	TOOL	1-12	Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	
	Continuation of the above	Continuation of the same and expand.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	122	105	6	11	40
DISTRICT OFFICE:	41	36	5	0	7

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ANDERSON #3 Don Beck Dist. Comp. Coord. P. O. Box 88 Iva, SC 29655 352-6175				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	157	147	10	0	26
DISTRICT OFFICE:	2	0	2	0	1

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ANDERSON #4 Sarah Powell Computer Coord. P. O. Box 545 Pendleton, SC 29670 646-7597				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	25	25	25	0	15
DISTRICT OFFICE:	1	1	1	0	1

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ANDERSON #5 Pat Spaid Math/Sci/Comp. Coord. P. O. Box 439 Anderson, SC 29622 224-2173	COMP LIT	9-12	Apple IIe	Students at all levels have exposure to instructional uses of computers. Computers and software have been provided for each compensatory (EIA and Chapter I) and EIA remedial class. Networked labs for remediation were piloted in two schools this year. Seven schools ues Osiris for daily attendance. High schools offer courses in keyboarding, word processing and computer science.
	COMP PROG	11-12	Apple IIe/IIc	
	READ/LANG	1-12	Apple IIe/ IBM PCjr	
	SCIENCE	1-12	Apple IIe/ IBM PCjr	
	MATHEMATICS	1-12	Apple IIe/ IBM PCjr	
	S STUDIES	1-12	Apple IIe	
	TOOL	11-12	IBM PC	
	BUS EDUC	10-12	IBM PC	
	OTHER VOC ED	11-12	TRS-80	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS		DESCRIPTION
	Four additional networked labs for BSAP remediation	Mid/Sec	One graduate course. One recertification course.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	312	284	18	10	116
DISTRICT OFFICE:	11	1	10	0	12

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
BAMBERG #1	COMP LIT	K-4		Bamberg Elementary enrollment 4 yr old through 4th grade is 616-Computer Literacy Expanded.
Mrs. B. L. Nicholson	READ/LANG	K-4		
Secretary	SCIENCE	K-12		
P. O. Box 526	MATHEMATICS	8-12		Richard Carroll Jr High and Bamberg Ehrhardt High-Math Remediation through Winthrop.
Bamberg, SC 29003				
245-2658				
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			Secondary-Math Remediation.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	71	66	4	1	30
DISTRICT OFFICE:	3	0	3	0	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
BAMBERG #2 Robert L. Jefferson	COMP LIT	6-12	Apple IIe/ IBM PC	
Director of Curriculum P.O. Box 345	COMP PROG	9-12	Apple IIe/ IBM PC	
Denmark, SC 29042 793-3346	READ/LANG	K-8	Apple IIe Atari 500 ST	
	SCIENCE	9-12	Apple IIe	
	MATHEMATICS	K-8	Apple IIe	
	TOOL	9-12	Apple IIe/ IBM PC XT	
	BUS EDUC	9-12	Apple IIe/ IBM PC XT	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Vocational/ Educational Remedial and Mathematics	Sec		Computer Assisted Instructional activies at the high school level to prepare students for vocational education courses. Ten computers (IBM-XT compatibles) will be placed in a remedial laboratory situation. One reading and one mathematics laboratory will be established at Denmark Olar High School to provide individualized, criterion-referenced instruction instruction to remedial students based upon previously diagnosed deficiencies in basic skills.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	83	83	0	0	34
DISTRICT OFFICE:	4	0	3	1	5

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
BARNWELL #19	COMP LIT	K-12	Apple IIe/TI/ TI/Comm	All students have exposure to instructional computing. All classrooms in grades 1-4 have a computer; other grades have access to one. All resource rooms have computers. There is a computer lab at the secondary level.
Anne B. Atkins				
Dir. of Spec. Prog.	COMP PROG	9-12	Apple IIe	
P. O. Box 185	READ/LANG	K-12	Apple IIe	
Blackville, SC 29817	SCIENCE	4-12	Apple IIe	
284-2234	MATHEMATICS	K-12	Apple IIe	
	S STUDIES	4-12	Apple IIe	
	TOOL	10-12	IBM	
	BUS EDUC	9-12	IBM	
	EXCEPT ED	K-12	TI/Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	
	Computer lab at elementary.	Continue purchase of equipment and training

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	71	68	3	0	24
DISTRICT OFFICE:	4	0	4	0	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
BARNWELL #29	COMP LIT	9-12	IBM PC	Elem--Students rotate for 30 minutes every other week on math/lang arts software. Middle--Students use computers in lang. arts and math classes at teacher's descretion. High--Computer literacy class, word processing, data and spreadsheet class.
Brenda Aldrich	READ/LANG	1-12	Apple IIe	
Instr. Supervisor	MATHEMATICS	1-12	Apple IIc	
Drawer 508	TOOL	9-12	IBM PC	
Williston, SC 29853	BUS EDUC	9-12	IBM PC	
266-3071				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	51	47	4	0	14
DISTRICT OFFICE:	2	0	2	0	2

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
BARNWELL #45	COMP LIT	6-12	Apple/Comm	
Chris Fallaw	COMP PROG	11-12	IBM/Softex	
District Coord.	READ/LANG	1-8	Apple	
2008 Hagood Ave.	SCIENCE	6-8	Apple	
Barnwell, SC 29812	MATHEMATICS	1-8	Apple	
259-3446	S STUDIES	6-8	Apple	
	TOOL	11-12	IBM/Softex	
	BUS EDUC	9-12	IBM/Softex	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Guidance	All		
	Administrative	All		
	Classroom	All		

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	76	61	13	1	24
DISTRICT OFFICE:	2	0	2	0	2

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
BEAUFORT Anne Barton Reading Supv. P. O. Box 309 Beaufort, SC 29902 524-2660				At all levels, this has been a solidifying year. We have been without a full time computer co-ordinator at the district office.
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Computer Literacy	K-6		Training for K-3 teachers.
	Keyboarding	2-3		
	Pascal	Sec		
				Specific objectives are being written at the K-6 level for computer literacy. K-3 will be CAI, use of computer and peripherals. Classroom teachers be responsible and accountable for this instruction. 4-6 will be Logo with computer teachers in each elementary school.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	357	312	29	14	100
DISTRICT OFFICE:	21	0	21	0	19

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
BERKELEY Anne B. Godbee Coord. of Gifted/Talented P. O. Box 608 Moncks Corner, SC 29461 761-8600	COMP LIT	7-12	Apple IIe	Every High and Middle School has CCC lab for remedial math and reading. Prescription Learning Labs for compensatory students at selected elementary and middle schools. Drill and practice in Remedial/Compensatory math and reading classes. Middle schools offer 9 weeks computer literacy courses. High schools offer computer literacy/programming courses. Computers are used in vocational classes, in business courses and CAD systems are used for drafting. Computers are available in most schools for classroom use. Twenty-one self-contained handicapped classes use computers for CAI and drill. Secondary gifted offered computer math course and creative writing with a computer. Elementary gifted work with Logo and word processors. Middle school gifted are involved in computeronics programs. Records and IEPs for handicapped are on computer. CCC Labs are in every middle and high school for remedial math and reading. Prescription Learning Labs at selected elementary and middle schools for compensatory students.
	COMP PROG	7-12	Apple IIe	
	READ/LANG	1-12	Apple IIe	
	SCIENCE	1-12	Apple IIe	
	MATHEMATICS	1-12	Apple IIe	
	S STUDIES	1-12	Apple IIe	
	FOREIGN LANG	9-12	Apple IIe	
	TOOL	9-12	Apple IIe	
	BUS EDUC	9-12	Apple IIe	
	OTHER VOC ED	9-12	Apple IIe	
	EXCEPTIONAL	1-12	Terac	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	Expand Prescription Learning Labs into other schools. Expand CCC Labs as needed. Install CCC terminal in the district office.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	1,074	974	59	40	254
DISTRICT OFFICE:	31	18	13	0	22

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
CALHOUN Cindy Burt Admin. Asst. P. O. Box 215 St Matthews, SC 29135 655-7310	COMP LIT	6-12	Apple IIe/ IBM PC	All school libraries -K-12 -Apple IIe for cataloging inventory, word processing, etc.
	COMP PROG	9-12	IBM Compat/ Apple IIe	
	READ/LANG	6-8 9-12	Apple IIe/ IBM	
	MATHEMATICS	6-8 9-12	Apple IIe	
	TOOL	9-12 6-8	IBM Compat/ Apple IIe	
	BUS EDUC	9-12	IBM	
	OTHER VOC ED	10-12	Apple IIe	
	SPECIAL EDUC	1-12	Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Elementary Gifted and Talented	2-5	Apple IIe	

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	69	51	17	1	54
DISTRICT OFFICE:	5	0	5	0	5

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
CHARLESTON David C. Staton Computer Coord. 3 Chisolm St. Charleston, SC 29401 772-8461 EXT 306	COMP LIT COMP PROG READ/LANG SCIENCE MATHEMATICS S STUDIES FOREIGN LANG TOOL BUS EDUC OTHER VOC ED			MECC Software is supplied to all schools for the purpose of integrating computers into the curriculum. CAI math provides the CCC Minicomputer System for drill and practice. Computer managed instruction hardware and software is provided for all elementary school math and language arts and for middle school math. Remedial and compensatory computer programs have been implemented in grades K-12. Logo, Basic and Pascal Programming is taught. Special education teachers use computerized IEP's. Business education programs include word processing, data processing, accounting, keyboarding and office procedures. Keyboarding instruction is encouraged at all grade levels.
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			Elementary - Develop a curriculum guide for K-5 featuring Logo Programming (LogoWriter), Computer Applications and Computer Assisted Instruction (Summer87). Middle - Develop computer labs at each middle school (with two disk drives and 128K Apples) and promote integration of computers in the curriculum. Develop curriculum guide for "Introduction to Computers" (Summer87). Secondary - Revise curriculum guide for and promote the "Introduction to Computers" course at all high schools. Develop a curriculum guide for "Introduction to Pascal" (Summer 87). Develop curriculum guide for "AP Pascal" (Summer 88).

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	300	269	27	4	90
DISTRICT OFFICE:	23	0	23	0	18

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
CHESTER	COMP LIT	1-12	Apple IIe	Computer Literacy has been expanded to grades 0-12 with the development of mobile mini-laboratories in grades 0-5. Computer Programming (BASIC) is being taught in grades 9-12. Tool (Word Proc. Data B.) is being taught in grades 9-12 with preliminary Word Proc. being taught 0-12. Computer Fundamentals for 8th graders and Keyboarding for 7th graders were added as district required 9 week courses. Computers are used in grades 1-6 to supplement instruction in the Compensatory program. Comuters and software available on a limited basis to all basic skills teachers to supplement the curriculum. EIA Remedial Laboratories (grades 7-8) for both reading and math include computer assisted instruction of one of several instructional methods. Computers and software are available on a limited basis to all basic skills teachers to provide drill and practice. In grades 9-12, two remedial language arts and two math labs have been established which provide computer managed and computer assisted instruction. Other classrooms use computers to provide remediation drill and practice on basic skills and SAT improvement. Computer introduction course conducted by the District Director of Computer Services on the Apple IIe for new district teachers and on the IBM PC-AT for all school administrative staff. Training for teachers has been conducted in one course from USC.
Jim Poarch	COMP PROG	9-12	Apple IIe	
Coord. of Computer Sci.	TOOL	9-12	Apple IIe	
121 Columbia St.	BUS EDUC	10-12	IBMPC AT	
Chester, SC 29706				
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			Computer Literacy will be moved to grades 0-8. Computer Programming (BASIC) will continue in grades 9-12. Computer Programming (PASCAL) will be added in grades 9-12. Keyboarding (&) and Computer Fundamentals (8) will continue to be district required computer courses Compensatory and Remedial laboratories for Math and Reading will be expanded by two each. This will include expanded software selection for all laboratories. All teachers new to the district will be taught using the Apple IIe and new school administrative staff will be trained on the IBM PC-AT.
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			Training for teachers will continue with one course from USC.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	300	269	27	4	90
DISTRICT OFFICE:	23	0	23	0	18

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
CHESTERIFLED John W. Wagnon Pathyways Coord. 401 W. Boulevard Chesterfield, SC 29709 623-2175				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	
		We are continuing to implement our plan outlined our 1985-86 Fact Sheet.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	321	305	12	4	85
DISTRICT OFFICE:	8	0	6	2	6

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
CLARENDON #1	COMP LIT	8	Apple IIe	Computer literacy has been developed for 8th grade middle school students. Elementary and secondary students who have been identified as meeting the criteria for placement in compensatory programs receive remedial help in mathematics and reading through the use of selected computer programs.
Clarence Alston	READ/LANG	6-11	Apple II/IIe	
Asst. Supt. for Instr.	MATHEMATICS	6-11	Apple II/IIe	
P. O. Box 38				
Summerton, SC 29148				
485-8173				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	35	34	1	0	4
DISTRICT OFFICE:	3	0	0	3	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
CLARENDON #2	COMP LIT	10	TRS-80	Computers assist in compensatory and remedial classes at all grade levels. Computers support reading and math instruction in grades 6-12. Computers are used as instructional aids in science, foreign language, vocational courses and in classes for gifted students.
Pamelia S. Cromer	COMP PROG	10	TRS-80	
Asst. Supt. for Instr.	READ/LANG	1-2	Apple IIe	
P. O. Box 1252	SCIENCE	9-12	Apple IIe	
Manning, SC 29102	MATHEMATICS	1-12	Apple IIe	
435-4435	FOREIGN LANG	9-12	Atari	
	BUS EDUC	9-12	TRS-80	
	OTHER VOC ED	9-12	TRS-80	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Keyboarding	1-8		
	Computer Labs	1-6		

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	156	147	7	2	32
DISTRICT OFFICE:	4	1	3	0	5

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
CLARENDON #3	COMP LIT	2-8	Apple IIe	Grades 6-8 have studied basic and logo language. They have also used a variety of software to improve critical thinking skills, improve writing skills with software available in district.
Elizabeth L. Coker	COMP PROG	6-8	Apple IIGs	
Computer Coord.		Gifted		
P. O. Box 270	READ/LANG	2-5	Apple IIe	
Turbeville, SC 29162		Compens		
659-2188	MATHEMATICS	2-5	Apple IIe	Grades 2-5 reading and math compensatory students attend a computer lab for remediation of basic skills.
		Compens		
	TOOL	6-8	Apple IIGs	
		Gifted		
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
				Grades 2-5 compensatory will be expanded by at least 2 more computers in 87-88. Secondary 9-12 will begin teaching Computer Literacy and Basic Programming as a course in 87-88. Apple IIe will be purchased.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	48	43	5	0	9
DISTRICT OFFICE:	4	0	4	0	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
COLLETON Charles Gale Computer Coord. P. O. Box 290 Walterboro, SC 29488 538-5538	COMP LIT	9-12	Apple IIe	Established computer programs are in operation at the Vocational Center, two high schools, and two middle schools. All elementary schools have some computers and programs, but are inadequately equipped.
	COMP PROG	9-12	Apple IIe/ Softek	
	READ/LANG	1-12	Apple IIe/ TRS-80	
	SCIENCE	1-12	Apple IIe	
	MATHEMATICS	1-12	Apple IIe/TI	
	S STUDIES	1-12	Apple IIe	
	FOREIGN LANG	9-12	Apple IIe	
	TOOL	11-12	Softek/ AT&T	
	BUS EDUC			
	OTHER VOC ED			
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			1988-89 - Expanded computer labs at middle schools (add additional equipment and software). Equip grades 4-5. Equip all schools with computers and printers for administrative purposes. 1989-90 - Establish labs for grades 1-3.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	169	142	15	12	50
DISTRICT OFFICE:	3	0	3	0	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
DARLINGTON David Hodge Computer Coord. 102 Parks St. Darlington, SC 29352 393-0404	COMP LIT	7-12	Apple IIe/ Radio Shack	
	COMP PROG	9-12	Apple IIe/ Radio Shack	
	READ/LANG	K-12	IBM PCjr/ Apple IIe	
	SCIENCE	5-6	IBM PCjr/ Apple IIe	
	MATHEMATICS	1-12	IBM PCjr/ Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			Writing to Read Labs in all elementary schools. Additional Prescription Learning Labs for Compensatory and Remedial.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	459	409	25	25	141
DISTRICT OFFICE:	26	0	26	0	21

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
DILLON #1	READ/LANG	5-7	Apple IIe	
Steve Laird	SCIENCE	9-12	Apple IIe	
Fed. Coord.	MATHEMATICS	9-12	Apple IIe	
Box 644	S STUDIES	9-12	Apple IIe	
Lake View, SC 29563	BUS EDUC	10-12	TRS-80	
759-2882	GIFT&TALENT	3-8	Apple IIe	
	GIFT&TALENT	9-10	TRS-80	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	34	31	3	0	4
DISTRICT OFFICE:	1	0	1	0	1

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
DILLON #2	COMP LIT	K-3	Apple IIe	Elementary and secondary students who have been identified for placement in compensatory, remedial and handicapped programs receive remedial help in reading and math through the use of selected programs. Computer literacy has been expanded for grades K-3 at East Elem and grades 8-12. Students identified as gifted receive computer instruction in grades 3-6.
Kay M. Lynn		3-6		
Asst. Supt. for Admin.		8-12		
401 Washington St. West	COMP PROG	11-12	Apple IIe	
Dillon, SC 29536	READ/LANG	1-12	Apple IIe	
774-7239	SCIENCE	1-12	Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS

All schools will be using the Osiris Program next year. Training for school personnel was conducted during the 1986-87 school year. Training for teachers has been conducted through courses from FMC and Chesterfield Marlboro Technical College.

Additional computers will be purchased for computer literacy and instruction in math and language arts for grades 1-6.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	177	146	13	18	72
DISTRICT OFFICE:	7	0	7	0	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
DILLON #3	READ/LANG	4-8	CCC	Computer Assisted Instruction has been expanded in grades 4-12. All students identified as compensatory or remedial receive help in mathematics and reading through selected computer porgrams.
Robert L. McBryde Jr.		9-12		
Asst. Superintendent	MATHEMATICS	1-12	TRS-80	
P. O. Box 458			Mod 3 & 4/	
Latta, SC 29565			CCC	
752-7101				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	
		Possibility of expanding computer assisted instruction in grades 1 through 3.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	48	43	2	3	5
DISTRICT OFFICE:	3	0	3	0	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
DORCHESTER #2	COMP LIT	5-12	Apple IIe/IBM	
Richard D. Seastrunk	COMP PROG	9-12	Apple IIe	
Dir. of Fed. Prog.	READ/LANG	1-12	Apple IIe	
102 Greenwave Blvd.	SCIENCE	7-12	Apple IIe	
Summerville, SC 29483	MATHEMATICS	7-12	Apple IIe	
873-6219	S STUDIES	7-12	Apple IIe	
	FOREIGN LANG	9-12	Apple IIe	
	TOOL	11-12	IBM	
	BUS EDUC	9-12	IBM	
	OTHER VOC ED	9-12	IBM	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	366	328	26	12	100
DISTRICT OFFICE:	7	0	7	0	7

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
DORCHESTER #4 Maxcy Gregg Computer Coord. 500 Ridge St. St George, SC 29477 563-4535	READ/LANG MATHEMATICS	3-6 9-12	Apple IIe Apple IIe	Elementary - Placed computers in Chapter I classrooms. Secondary - Instituted computer lab for remedial students.
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Correlating textbooks and instructional modules with BSAP and CTBS.			Considering purchase of "Tabs" software to help identify individual and class needs by objectives.
	Work with gifted and talented students and 7th and 8th grade remedial students.			Purchase of CCC Microhost Instructional System with terminals. Plans for expansion into other grades in future years.

TOTAL FOR DIST #1	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.		PRINTERS
SCHOOL:	54	51	2	1		19
DISTRICT OFFICE:	0	0	0	0	0	0

TOTAL FOR DIST#3	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	26	23	3	0	13
DISTRICT OFFICE:	0	0	0	0	0

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
EDGEFIELD	FINAN ACCT	Dist Off	IBM S/36	All students (K-12) have exposure to instructional computing. Each elementary and middle school has at least one computer lab. Kindergarten through sixth grade students attend one day per week for CAI. Grades 7-8 attend by the quarter and semester respectively for CAI and Simple Programming Skills. Computers are used in some of the remedial and compensatory classes. The high school offers programming as an elective too. All schools and the vocational school offer word processing. High school special education students use computers in the resource room. Advanced high school math classes use computers to explore math topics and prepare for SAT. Note: High school is presently using but phasing out student accounting on the S/36 in favor of OSIRIS software on the PC/AT. We are utilizing data communications to the Dept. of Education for the Teacher Certification pilot project and for both high school and vocational SCOIS program via a PC/AT and modem. Adult Ed night classes are learning Word Processing, Computer Concepts and BASIC programming skills on S/36 and PC's.
Charles L. Wilkes	TEXT PROC	Dist Off	IBM S/36	
Data Processing Mgr.	SPECIAL ED	Dist Off	IBM S/36	
P. O. Box 608	STUD ACCT	Dist Off	IBM S/36	
Edgefield, SC 29824	FOOD SERV	Dist Off	IBM PC/AT	
275-4601	WORD PROC	Dist Off	IBM PC/AT	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	260	249	9	2	43
DISTRICT OFFICE:	4	0	4	0	6

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
FAIRFIELD				
Kevin Kruger				
Asst. Principal				
Route 2 Box 9E				
Winnsboro, SC 29170				
635-5594				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	
		Implement computer labs for use in remediation, etc.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	92	87	4	1	24
DISTRICT OFFICE:	7	4	3	0	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
FLORENCE #1 Tom Pritchard Dir. of Research & Eval. 319 S. Dargan St. Florence, SC 29501 669-4141	COMP LIT	1-12	Apple IIe	Computer literacy is being taught in grades 1-12. We are also using computers with elementary and secondary students who have been identified as meeting the criteria for placement in remedial and compensatory education. Computers are being used extensively in business education courses to prepare students to enter the job market after graduation.
	COMP PROG	10-12	Apple IIe/ IBM PC	
	READ/LANG	1-12	Apple IIe	
	MATHEMATICS	1-12	Apple IIe	
	S STUDIES	1-12	Apple IIe	
	TOOL	10-12	IBM PC/ Apple IIe	
	BUS EDUC	10-12	IBM PC/ Apple IIe	
	VOC ED		Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	**FUTURE PLANS**			
				We are now in the process of purchasing Apple IIe's for use with our handicapped students in vocational education. We are studying the possibility of using computers in some of our higher science courses such as Chemistry II and Physics.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	663	616	35	12	99
DISTRICT OFFICE:	15	0	11	4	13

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
FLORENCE #2 E. Lancie Hyman Dir. of Instruction Route 1 Box 36-B Pamplico, SC 29583 493-2502	COMP LIT	7-12	Apple IIe/ Franklin	Some middle/high school students receive cumputer literacy training. Computer programming is offered at the high school level. Some elementary and middle school students receive instruction in reading and math via Apple IIe software and CCC Microhost System. The Apple IIe's are also used in some science classes in grades K-8. Word processing and data processing are offered to students in grades 9-12 through the Business Education Department.
	COMP PROG	9-12	Apple IIe	
	READ/LANG	K-8	Apple IIe/ CCC	
	SCIENCE	K-8	Apple IIe	
	MATHEMATICS	K-12	Apple IIe/ CCC	
	BUS EDUC	9-12	APPLE IIE	
SCHOOL & DISTRICT OFFICE COMPUTERS	**FUTURE PLANS**			
	Expansion of CCC System	All		The CCC system will be expanded and used in all schools in reading and math.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	73	70	2	1	33
DISTRICT OFFICE:	3	0	3	0	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
FLORENCE #3	COMP LIT	9-12	Apple/IBM	
Christoper Guerrieri	COMP PROG	1-12	IBM	
Dir. of Instruction	READ/LANG	K-6	Apple	
P. O. Box 128	SCIENCE	1-8	Apple	
Lake City, SC 29560	MATHEMATICS	1-12	Apple	
394-8652	TOOL	9-12	IBM	
	BUS EDUC	9-12	IBM	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	CCC	2-8		Elementary and Middle -- Math and Reading.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	200	182	13	5	58
DISTRICT OFFICE:	2	0	2	0	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
FLORENCE #4	COMP LIT	10	TRS-80	The computer programs are used in the elmentary, middle and secondary schools for reinforcement of the basic skills in reading and mathematics.
James Archie	COMP PROG	10-12	IBM PCjr	
Director 112 S. Kershaw St.	READ/LANG	K-12	Apple/CCC/ Digital	
Timmonsville, SC 29161 346-7213	MATHEMATICS	K-12	IBM PCjr/ CCC/Texan/ Televideo	
	TOOL	10-12	IBM PCjr	
	BUS EDUC	10-12	IBM PCjr	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Computer Literacy	Faculty		Additional training in computer literacy will be offered for all teachers in the district as an on-going program.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	73	70	3	0	10
DISTRICT OFFICE:	4	0	0	0	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
FLORENCE #5 Richard Silvernail Computer Coord. P. O. Box 98 Johnsonville, SC 29555 386-2702	COMP LIT	10-12	Radio Shack/ Tandy 1000	Color computers in elementary used for CAI.
	COMP PROG	11-12	Radio Shack/ Tandy 1000	Apple IIe's in middle used for CAI.
	READ/LANG	9-12	Radio Shack	High school computer used for remedial reading and math and by gifted and talented for grades 3-7.
	MATHEMATICS	9-12	Radio Shack	
	S STUDIES	11-12	Radio Shack	
	TOOL	9-12	Tandy	
	BUS EDUC	9-12	Radio Shack	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	70	62	5	3	23
DISTRICT OFFICE:	1	0	1	0	0

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
GEORGETOWN Richard E Toemmes Dir. MIS 624 Front St. Georgetown, SC 29440 546-2561				

SCHOOL & DISTRICT OFFICE COMPUTERS

FUTURE PLANS

None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	363	313	26	24	92
DISTRICT OFFICE:	41	28	10	3	26

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
GREENVILLE Horace Butler Computer Consultant P. O. Box 2848 Greenville, SC 29602 242-6450	COMP LIT	K-12	Apple IIe/IIgs/ PCjr	One each of WICAT Systems, CAI-CMI in elem, middle and high school.
	COMP PROG	6-12	Apple II/ IBM PC	
	READ/LANG	K-12	Apple II	
	SCIENCE	6-12	Apple II	
	MATHEMATICS	K-12	Apple II	
	S STUDIES	6-12	Apple II	
	TOOL	6-12	Apple II/ IBM PCjr	
	BUS EDUC	9-12	Apple IIe/ IBM PC	
	OTHER VOC ED	1-12	IBM PC	

SCHOOL & DISTRICT OFFICE COMPUTERS

FUTURE PLANS

Our future plans include a careful study of networked systems grades K-12 focusing on CAI and computer programming. Our main focus will be learning by computer (CAI). Computer literacy and computer assisted instruction will be instituted K-12 in all schools. As computers are available. This will be done with the introduction of four computer guides- (1) Literacy, (2) Math, (3) MECC and (4) Middle School Literacy.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	1,840	1,672	91	79	584
DISTRICT OFFICE:	47	0	31	1	28

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
GREENWOOD #50				
Janice Poda				
Dir./Testing & Research				
P. O. Box 248				
Greenwood, SC 29648				
223-4348				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	248	204	27	17	89
DISTRICT OFFICE:	14	0	14	0	15

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
GREENWOOD #51	COMP LIT	11-12	Apple IIe	
John Bone	COMP PROG	11-12	Apple IIe	
Supv. of Special Programs	READ/LANG	K-8	Apple IIe	
42 Sparks Ave.	SCIENCE	11-12	Apple IIe	
Ware Shoals, SC 29692	MATHEMATICS	K-12	Apple IIe	
456-7496	BUS EDUC	9-12	Apple IIe	
	INSERVICE	Tchrs	Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	Purchase additional computers.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	31	27	4	0	2
DISTRICT OFFICE:	2	0	2	0	2

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
GREENWOOD #52	COMP LIT	6-12	Apple IIe	All school are implementing OSIRIS software for administrative purposes. Elementary students use computers for reinforcement of basis skills in language arts, math and social studes, as part of a study skills program, in math and compensatory programs and for publication of a student newletter. At the middle school level CAI is used to reinforce regular instruction, in Chapter I and for literacy. High school students use computers in business education, literacy, science, social studies and for remediation and SAT preparation. Students in gifted program grades 2-10 use computers in a variety of ways, including word processing, programming and simulations.
Marilyn Rieger	READ/LANG	K-8	Apple IIe	
Computer Coord.	SCIENCE	4-12	Apple IIe	
121 S. Cambridge St.	MATHEMATICS	K-12	Apple IIe	
Ninety Six, SC 29666	S STUDIES	4-10	Apple IIe	
543-3448	BUS EDUC	11-12	Apple IIe	
	OTHER VOC ED	9-12	Apple IIe	
	SAT PREP	11-12	Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	Continue to increase administrative use of computers. Continue to support instructional use through MECC materials. Work to integrate computer use more fully in the curriculum at all levels, especially in math and science.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	54	44	7	3	25
DISTRICT OFFICE:	2	0	2	0	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
HAMPTON #1	COMP LIT	K-8	Apple IIe	
A. Randall Vaughn	COMP PROG	9-12	IBM/Apple	
Deputy Supt.	READ/LANG	K-12	IBM/Apple	
P. O. Box 367	SCIENCE	K-12	IBM/Apple	
Varnville, SC 29944	MATHEMATICS	K-12	IBM/apple	
943-4576	TOOL	9-12	IBM	
	BUS EDUC	9-12	IBM	
	OTHER VOC ED	9-12	IBM	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	125	119	4	2	33
DISTRICT OFFICE:	1	0	0	1	1

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
HAMPTON #2	COMP LIT	9-12	Apple II	
W. Jack Dimond	COMP PROG	11-12	Apple II	
Director of Budgets	READ/LANG	1-12	Apple II	
P. O. Box 1028	SCIENCE	1-12	Apple II	
Estill, SC 29918	MATHEMATICS	1-12	Apple II	
625-2875	S STUDIES	1-12	Apple II	
	BUS EDUC	10-12	Apple II	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	130	126	4	0	18
DISTRICT OFFICE:	5	0	3	2	5

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
HORRY Laura D. Blanchard Coord. Lib./Media Serv 1605 Horry St. Conway, SC 29526 248-2206 EXT 305				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	693	594	62	37	190
DISTRICT OFFICE:	75	0	75	0	52

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
JASPER Michael Duncan Computer Coord. P. O. Box 848 Ridgeland, SC 29936 726-3057	COMP LIT	K-12	IBM PCjr/ Apple IIe/ Comm/ TRS-80/4	2 Schools - West Hardeeville Elem - K-8 Ridgeland Elem - K-8 1 School - Jasper County High School - 9-12
	COMP PROG	9-12	TRS-80/4	
	READ/LANG	K-12	IBM PCjr/ Apple IIe/ Comm/ TRS-80/4	
	SCIENCE	K-8	IBM PCjr/ Comm	
	MATHEMATICS	K-8	IBM PCjr/ Comm	
	S STUDIES	K-8	IBM PCjr/ Comm	
	TOOL	9-12	IBM PCjr/ Apple IIe/ TRS-80/4	
	BUS EDUC	9-12	IBM PCjr/ Apple IIe/ TRS-80/4	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	40	37	3	0	10
DISTRICT OFFICE:	3	0	3	0	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
KERSHAW J. Coke Goodwin Dir. of Text/Statistics Dubose Ct. Camden, SC 29020 432-8416				Same as last year. Just bought additional computers so that more students could participate.

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	273	224	28	22	59
DISTRICT OFFICE:	16	0	14	2	11

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
LANCASTER Bruce M. Harris Jr. Pathways Coord. 100 E. Arch St. Lancaster, SC 29720 286-6975	COMP LIT	K-12	Apple IIe	Elementary, Jr High and High School students receive instruction in computer literacy to varying degrees. Drafting is taught in one high school using CAD with plotter as Apple IIe. Elementary and Secondary use computers for resource/remedial work in the classroom and library.
	COMP PROG	9-12	Apple IIe/IBM	
	READ/LANG	K-12	Apple IIe	
	SCIENCE	K-12	Apple IIe	
	MATHEMATICS	K-12	Apple IIe	
	S STUDIES	K-12	Apple IIe	
	FOREIGN LANG	10-12	Apple IIe	
	TOOL	9-12	Apple IIe	
	BUS EDUC	10-12	Apple IIe	
	VOC ED	10-12	Apple IIe	
	IEP'S SP ED	1-12	Apple IIe	
	GIFT & TALENT	2-12	Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			Make better use of the computers provided through Pathways project. Teach applications of software to school secretaries in order to make the tool more effective in school operations.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	364	324	35	26	140
DISTRICT OFFICE:	9	0	9	0	9

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
LAUREN #55 Russell R. Burns Jr. Dir. of Inf. & Data Serv. P. O. Box 388 Laurens, SC 29360 984-3568	COMP LIT	1-12	Tandy CoCo, IV,1000/Comm/ Apple IIe	Keyboarding skills and literacy are being taught as far down as first grade. Likewise, language arts and math software is available across all grade levels. Olther than a brief introduction to Logo at the primary level, programming skills are not introduced until upper elementary. Word processing at the high school level, long relegated to the business department, is now showing up in grammar and composition classes as well as journalism.
	COMP PROG	5-12	Tandy CoCo, IV,1000/Comm/ Apple IIe	
	READ/LANG	1-12	Tandy CoCo, IV,1000/Comm/ Apple IIe	
	MATHEMATICS	1-12	Tandy CoCo, IV,1000/Comm/ Apple IIe	
	TOOL	9-12	Tandy IV,1000	
	BUS EDUC	9-12	Tandy IV	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	To increase emphasis on keyboarding.	Elem		Purchase additional hardware and software.
	To improve the variety of curriculum-related software.	All		Purchase software, train teachers in correlating text and software.
	To establish a computer lab for remediation.	Sec		Purchase hardware, software and enter into a training contract.
				Our largest computer-related need is to find an effective means for dealing with remediation at the secondary level where skills deficits are greatest, students are most unmotivated and the spector of the exit exam looms large. A highly prescriptive learning laboratory featuring CAI will be implemented in 1987-88 as a means of meeting this need.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	138	109	24	5	27
DISTRICT OFFICE:	7	0	7	0	8

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
LAUREN #56 Lenzy Randall Asst. Supt. for Fed. Prog. P. O. Box 484 Clinton, SC 29325 833-4132	COMP LIT	1-12	Comm64/ Apple IIe/ IBM PC/ Columbia	Elementary - Schools (2 of 4) have very limited numbers of microcomputers (less than one per classroom) purchased largely thru fund-raising efforts (PTA, etc.) being used in computer literacy, reading/language arts and mathematics using Commodore 64's. Middle - Limited use in both middle schools using 7 Apple computers in one and 5 in the other in compensatory and remedial education. Secondary - IBM-PC (20 units) and Columbia (20 units) in each of 2 Business Education labs. Two computer-enhanced math labs and one computer-enhanced language arts lab using 3 Apple computers each and 2 IBM-XTs for remedial students. Ten other Apple computers are used in various departments (reading, math primarily) with limited software.
	COMP PROG	9-12	IBM PC/ Columbia	
	READ/LANG	1-12	Comm 64/ Apple IIe	
	MATHEMATICS	1-12	Comm64/ Apple IIe	
	TOOL	9-12	IBM PC/ Columbia	
	BUS EDUC	9-12	IBM PC/ Columbia	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Computer labs for compensatory and remedial instruction in reading and math.	All		Three of four elmentary schools will have 12-unit labs, 1 small elementary school will have 8-unit lab. Both middle schools will have 12-unit labs, one each. High school will have 24-unit lab. Aides and teachers will be trained in lab use, recordkeeping, diagnostic/prescriptive work, etc. Remedial/compensatory students will attend labs for 10-15 minute periods. Leaving math and/or reading classes for lab instruction and returning to classroom for additional instruction. Microcomputers in labs will be networked and linked to "Microhost" for recordkeeping and diagnosis of skill deficiencies.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	109	93	14	2	46
DISTRICT OFFICE:	25	0	15	0	9

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
LEE EIA/Computer Coord. P. O. Box 507 Bishopville, SC 29010 484-5391	COMP LIT	K-12	Apple/ TRS-80	Computers are used in the elementary, middle and secondary grade levels to assist student in language arts and mathematics remediation. Prescription Learning Labs are used in elementary and middle schools for students in compensatory and Chapter I programs. Governor's Remediation Labs are in secondary schools for students in compensatory programs. MECC software is available to all schools for the purpose of integrating computers in the curriculum.
	READ/LANG	K-12	Apple/ TRS-80	
	MATHEMATICS	K-12	Apple/ TRS-80	
	BUS EDUC OTHER VOC ED	10-12	Apple/ TRS-80	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Administrative	Sch & Dist Off		Complete placing NCR's in schools for use in Pathways Project.
	Reading/Lang Arts and Mathematics	All		As funds are available.
				Expansion of computer-assisted instruction in grades K-12 with additional Apple IIe microcomputers or computer labs.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	250	244	5	1	41
DISTRICT OFFICE:	4	0	4	0	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
LEXINGTON #1	COMP LIT	8-10	Apple IIe/IIc	All elementary schools have Prescription Learning Labs for reading and math. In addition, schools have labs to reinforce basic skills. Computer literacy begins at the middle school level. Secondary students are involved in computer literacy, programming and vocational training. Also, instructional labs.
Sylvia E. Guthrie	COMP PROG	9-12	Apple IIe/ IBM PC	
Asst. Supt. for Instruction				
P. O. Box 1869	READ/LANG	1-12	Apple IIe	
Lexington, SC 29072	MATHEMATICS	1-12	Apple IIe	
359-4178	BUS EDUC	9-12	IBM	

SCHOOL & DISTRICT OFFICE COMPUTERS

FUTURE PLANS

Computer literacy will continue to be taught at the middle school level. Keyboard will be implemented at the sixth grade level. Computer labs will continue to be offered.

Training for teachers will continue be offered through courses from USC. Additional computer labs will be purchased to reinforce basic skills in grades1-12 in reading and math. Additional computers will be purchased to increase computer/pupil ratio.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	254	213	20	21	89
DISTRICT OFFICE:	8	0	8	0	8

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
LEXINGTON #2 Jimmy L. Quinn Dir. of Computer Services 715 Ninth St. W. Columbia, SC 29160 796-4708	COMP LIT	7	WICAT	The WICAT computer labs in midle school and the Apple II labs in high schools offer the majority of the district instructional computing. The small number of Apple computers in elementary schools are used heavily but cannot provide extensive assistance to large numbers of students.
	COMP PROG	9-12	Apple II/IBM	
	READ/LANG	1-12	Apple II	
	SCIENCE	1-12	Apple II	
	MATHEMATICS	1-12	Apple II	
	S STUDIES	1-12	Apple II	
	TOOL	9-12	Apple II	
	BUS EDUC	9-12	Apple II	
	OTHER VOC ED	9-12	Apple II	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Basic Skills	1-5		The computer laboratory with 20-30 workstations continues to offer the best computer environment for the district. As possible, the district will add to its 12 currently functioning labs.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	388	336	27	25	139
DISTRICT OFFICE:	13	0	11	2	15

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
LEXINGTON #3 Bill Black Ass.t Supt. of Instruction 707 E. Columbia Ave. Batesburg, SC 29006 532-9289	READ/LANG	2-12	Apple II/IIe/ TRS-80	
	MATHEMATICS	2-12	Apple II/IIe/ TRS-80	
	BUS EDUC	9-12	TRS-80	
	SP ED	9-12	Apple II	
	FOREIGN LANG			
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Computer Labs	2-8		CCC Computer labs (Atari) - aides will be trained during August 1987 Inservice.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	78	38	1	39	25
DISTRICT OFFICE:	75	0	0	75	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				

LEXINGTON #4
Robert G. English
Superintendent
P O Box 569
Swansea, SC 29160
568-3886

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	72	66	5	1	10
DISTRICT OFFICE:	2	0	2	0	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
LEXINGTON #5 Aleda R. Anderson Coord. Computer Ed. P. O. Box 938 Ballentine, SC 29002 781-0457	COMP LIT	1-12	*Apple IIe & IBM PC are hardware used throughout the instructional program.	Elementary: Computer experiences for students are integrated into the existing instructional program rather than through pull-out computer programs. (i.e., All first and and second grade students receive computer keyboarding training as part of their language arts program. All fifth grade students create computer graphics as part of their fifth grade math activities.) Middle-Jr: Labs and individual classroom systems offer opportunities for word processing, CAI and computing programming. Secondary: Students have access to the Math/ Science Lab, Journalism Computers and select courses from Introduction to Computers, Computer Science I (BASIC), Computer Science II (PASCAL), Word Processing, Data Processing, Computer Typing/Keyboarding, Computerized Accounting and Computer Technology (Maintenance and Repair). CAI is used in all areas of Curriculum and for preparation in academic competition.
	COMP PROG	1-12		
	READ/LANG	K-12		
	SCIENCE	K-12		
	MATHEMATICS	K-12		
	S STUDIES	K-12		
	FOREIGN LANG	8-12		
	TOOL	3-12		
	BUS EDUC	10-12		
	VOC ED	10-12		
	GIFTED	1-12		
	REMEDIAL	1-12		
	SPECIAL ED	K-12		
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Lego LC/Logo	Elem		Training will be provided to teachers in fall work workshops. Lego and Interface cards will be purchased for all elementary schools.
	Networking	Mid/Sec		Digicard systems will be purchased.
	CAD	Voc Ed		IBM PS 50, Math Coprocessor, enhanced graphics, CADkey software, Digitizer & Plotter to be purchased Elementary: Lego/Logo will be integrated into the 3rd and 4th grade Science curriculum. Computers will be used to "robotize" student made machines/ constructions. Word processing will be integrated into the upper elementary language arts program. Middle: Labs will be networked (Digicard) to provide new instructional opportunities. Secondary: The math/science lab will be networked (Digicard) and Journalism courses will be working toward in-house laser printing. A new CAD (computer aided drafting) program will be offered, and besides a hard drive computer, will include a digitizer and plotter for three dimensional drafting.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	343	287	34	11	48
DISTRICT OFFICE:	26	0	26	0	21

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
MARLBORO Genevieve Parker Asst. Supt. for Instruction P. O. Box 947 Bennettsville, SC 29512 479-4016	COMP LIT	1-12	TRS-80 Mod II & IV	Computer awareness programs have been designed for students grades 1-12. Instructional programs in reading and math are provided for students in enrolled in remedial/compensatory programs grades 1-12. Instructional programs in math are being provided for students grades 4-8, and counselors are using computers for career information. SAT practice activities are provided for students grades 7-12. Computers are used for data processing, business management and drafting grades 11-12.
	READ/LANG	1-12	TRS-80 Mod 4/ Apple IIe	
	MATHEMATICS	1-12	TRS-80 Mod II & IV	
	TOOL		TRS-80 Mod IV/ IBM	
	BUS EDUC		TRS-80 Mod 4	
	OTHER VOC ED		IBM/KAPRO	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Increase Software for Instruction		All	Staff Development related to selection of appropriate software. The schools plan to update and increase the quality of software for reading and mathematics. The district office plans to maintain personnel records, instructional inventories and internal accounts. We also plan to participate in a program to reduce paper work.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	296	281	8	7	52
DISTRICT OFFICE:	2	0	2	0	1

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
MARION #4 Jean W. Pearson Computer Coord. Route 1 Box 499 Gresham, SC 29456 362-0331	COMP PROG	10-12	TRS-80	All students identified as remedial/compensatory will be assigned to the reading and/or math labs. The Winthrop Reading Programs is currently being used at the secondary level. The Business Education program includes a data processing class. Our Vocational Ed Department is currently connected to Clemson's Agri program (Apple IIe).
	READ/LANG	K-12	Comm/ Apple IIe/ TRS-80	
	MATHEMATICS	K-12	Comm/ Apple IIe/ TRS-80	
	TOOL	10-12	TRS-80	
	OTHER VOC ED	8-12	Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			Provide additional training of teachers on the use of computer for instruction (K-12). Explore the possibilities of additional secretarial staff receiving training.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	37	37	0	0	9
DISTRICT OFFICE:	1	0	1	0	1

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
MARION #2 James H. Hall Fed. Curr/Comp. Coord. P. O. Box 689 Mullins, SC 29574 526-2181	COMP LIT 9-10		Radio Shack- Mod III & IV/ Tandy 1000/ Apple IIe	Elementary students K-6 have access to Apple IIe in classrooms and libraries. The equipment provides reinforcement and practice for reading and math. Secondary 7-12 computers provide SAT, PSAT practice, word processing for writing and drill and practice for reading and writing.
	READ/LANG	5-9	Apple IIe	
	MATHEMATICS	5-9	Apple IIe	
	SAT Practice	9-12	Apple IIe/ IBM PCjr	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Word Processsing	K-6		The equipment and software are present. The teachers and students will need training. Word processing is proving to be a big help in developing word recognition and use skills for reading. The use of word processing should show up in improved reading skills.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	205	193	11	1	56
DISTRICT OFFICE:	5	0	2	3	5

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
MARION #3 Rachel J. Mason Coord. of Spec. Services P. O. Box 439 Rains, SC 29589 423-2891	READ/LANG	8-12	Apple IIe	Remedial help in Chapter I labs.
	MATHEMATICS	8-12	Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Train more teachers.			Inservice training for teachers interested and that have not been trained.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	25	24	1	0	10
DISTRICT OFFICE:	1	0	1	0	1

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
MCCORMICK E. C. Rice Fin. Officer/Fed. Coord. P. O. Box 548 McCormick, SC 29835 465-2715				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	90	82	6	2	12
DISTRICT OFFICE:	2	0	2	0	2

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
MARION #1 James A. Blake Math Supv. 616 Northside Ave. Marion, SC 29571 423-1811	COMP LIT	K-12	Apple IIe TRS-80 III&IV	All elementary students are given access to computers on a limited basis; Chapter I, remedial and compensatory math students are receiving CAI using CCC (grades 3-12). Chapter I students in reading also use CAI with CCC. Students in grades 9-12 may also elect to take Introductory Computer course and an Introduction to Pascal.
	COMP PROG	9-12	Apple IIe/ TRS-80 III&IV	
	READ/LANG	K-12	Apple IIe/CCC	
	SCIENCE	K-12	Apple IIe	
	MATHEMATICS	K-12	Apple IIe/ CCC/ TRS-80 III&IV	
	S STUDIES	K-12	Apple IIe	
	FOREIGN LANG	9-12	Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	Introduction to word processing and use of data base for all personnel. Continuation and refinement of present uses. Full utilization of the Pathways Project.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	111	102	7	2	25
DISTRICT OFFICE:	5	0	3	2	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
NEWBERRY	COMP LIT	4-6	Apple IIe	
Robert Hollis	COMP PROG	11-12	Apple IIe	
Dir. of Instr. & Curr.	READ/LANG	4-6	Apple IIe	
P. O. Box 718	SCIENCE	9-12	Apple IIe	
Newberry, SC 29108	MATHEMATICS	4-12	Apple IIe	
276-3216	TOOL	10-12	TRS-80	
	BUS EDUC	10-12	TRS-80	
	DISTRICT			
	MATH/READ	4-6	Apple IIe	All state comp/rem students.
	MATH/SCI	9-12	Apple IIe	All 10-12 grade math/science students.
	MATH	9	Apple IIe	State remedial students.
	PROGRAMMING	11-12	TRS-80	11th & 12 grade C. P. students
	TOOL	10-12	TRS-80	10th-12th grade Voc students.
	COMP LIT	3-8	Apple IIe	Gifted/talented students-summer program.
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Apple IIe labs in each of the three Jr High Schools.			
	Math/Science	7-8	Apple IIe	CAI for math and science for 7th-8th grade students. May be expanded to include word processing if schedule permits.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	193	183	7	3	55
DISTRICT OFFICE:	5	0	5	0	5

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
OCONEE Joseph A. Rukat Math Coord. P. O. Box 220 Walhalla, SC 29691 638-5862	COMP LIT	K-12	Comm/ Apple/IBM	
	COMP PROG	9-12	Comm/ Apple	
	READ/LANG	K-12	Comm/ Apple	
	SCIENCE	K-12	Comm/ Apple	
	MATHEMATICS	K-12	Comm/ Apple	
	TOOL	9-12	IBM	
	BUS EDUC	9-12	IBM	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Strengthen existing programs in all schools.			Upgrade to more appropriate equipment.
				We have not changed our programs except to incorporate better equipment.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	378	329	28	21	99
DISTRICT OFFICE:	37	20	17	0	12

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ORANGEBURG #1	COMP PROG	11-12	TRS-80	Although the TRS-80 and IBM computers are housed in the Business Department and used primarily by students in that department to learn word processing skills, the computers are available to any students who have time in their schedule to work them. The Apple computers are used for instruction in reading/language arts, science, math and also in the vocation classes.
Vernon W. Williams	READ/LANG	3-12	Apple IIe	
Asst. Supt. of Instr.	SCIENCE	9-12	TRS-80/ Apple IIe	
P. O. Box 337				
Springfield, SC 29146	MATHEMATICS	3-12	TRS-80/ Apple IIe	
258-3418				
	BUS EDUC	11-12	TRS-80/ IBM	
	OTHER VOC ED	9-12	Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Attendance		All	School secretaries have received training and will use the Osirus software in reporting attendance for the 1987-88 school year.
	Scheduling		HS	The District Computer Coordinator has received training and will schedule classes at the high school for the 1987-88 school year.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	70	65	4	1	9
DISTRICT OFFICE:	2	0	2	0	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ORANGEBURG #2 Thomas Reeves Asst. Supt. P. O. Box 36 Bowman, SC 29018 829-2541	COMP LIT	K-12	Apple IIe/ Comm 64/ Comm 8032	Computer literacy is taught to all students in grades K-12 by school librarians. Language arts and mathematics are taught with computer assisted instruction to Chapter I students in grades 1-8 and Agriculture and consumer and homemaking students receive computer assisted instruction in grade 9-12 from their instructor.
	READ/LANG	1-12	Apple IIc/ Apple IIe	
	MATHEMATICS	1-12	Apple IIc/ Apple IIe	
	OTHER VOC ED		Apple IIc/ Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			None at present, except a possible purchase of two Apple IIe's to increase the number of students who can receive computer literacy instruction. Plans are to increase the number of students receiving computer literacy instruction. We have offered teachers one computer course from USC-Salkehatchie and may offer another course during the 1987-88 school year if there is enough interest, so that more teachers would be able to instruct a computer literacy class.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	17	16	1	0	7
DISTRICT OFFICE:	0	0	0	0	1

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ORANGEBURG #3 Mulesh M. Swami Dir. of Middle Schools P. O. Box 98 Holly Hill, SC 29059 536-4682	COMP PROG	10-12	TRS-80 Mod III	
	READ/LANG	1-12	Apple IIe/ TRS-80/ IBM PCjr/ Rainbow/ Commodore	
	MATHEMATICS	1-12	Apple IIe/ TRS-80/ IBM PCjr/ Rainbow/ Commodore	
	BUS EDUC	10-12	Lanier	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Science	Elem		Software $1500 (Approx.). The software will be used to help prepare students for basic skills in science.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	69	59	4	6	26
DISTRICT OFFICE:	2	0	2	0	2

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ORANGEBURG #4 Joe Van Faussien Computer Coord./Princ. P. O. Drawer A Cordova, SC 29039 536-4782				
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	None			

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	61	53	6	2	21
DISTRICT OFFICE:	2	0	0	2	0

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ORANGEBURG #5 Louise Amos Computer Coordinator 578 Ellis Ave. Orangeburg, SC 29115 534-5454	COMP LIT	5-8	IBM PCjr/ PCAT Server	
	COMP PROG	9-12	Apple IIe/ Lanier 128	
	READ/LANG	K-12	PCjr/AT Servers	
	SCIENCE	9-12/ 1-4	PCjr/Apple IIe	
	MATHEMATICS	K-12	PCjr/Apple IIe	
	S STUDIES	K-12	PCjr/Apple IIe	
	TOOL	5-12	PCjr/Apple IIe/ Lanier 128	
	BUS EDUC	Covec/ 9-12	IBM PC XT/PC	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Beyond Writing to Read	1		5 (PS2 Model 30) for each 1st grade class with 1 printer per class. 1st graders will have access to computers to extend the WTR program-we are looking at several programs for this extension.
	Expanding Compensatory Labs (4 labs networked)	9-12		130 workstations (Model 30) for four labs; 2 Model 60-file servers and 4 printers. 9-12-Purchase of additional computer and software to remediate specific skills (BSAP) and build up science programs. In science, we have four computers for each science teacher net-worked to a main file server.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	423	395	23	6	77
DISTRICT OFFICE:	18	0	18	0	19

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ORANGEBURG #6	COMP LIT	9-12	Apple IIe	Students in K-7 receive instruction in reading and mathematics. The computerized developmental math lab has been expanded to server, regular handicapped and disadvantaged students. In addition to math programs, reading and language arts programs are available.
Shirley S Cullen	READ/LANG	K-7/	Atari/	
Voc. Coord.		9-12	Apple IIe	
P. O. Box 640	MATHEMATICS	K-7/	Atari/	
North, SC 29112		9-12	Apple IIe	
247-2162	TOOL	10-12	Apple IIe	
	BUS EDUC	10-12	Apple IIe	
	OTHER VOC ED	10-12	Apple IIe	
	OTHER SCOIS	8-12	Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS
	None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	15	13	2	0	10
DISTRICT OFFICE:	1	0	1	0	1

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ORANGEBURG #7	READ/LANG	2-12	IBM PC/ Apple IIe/ CCC	Handicapped-Rdn-Math-Adjustment
Ruby J Johnson				
Learning Specialist				
P. O. Box L	SCIENCE	7	IBM PC	
Orangeburg, SC 29047	MATHEMATICS	2-12	IBM PC/ Apple IIe/ CCC	
897-2671				
	TOOL	9-12	IBM PC	
	BUS EDUC			
	OTHER VOC ED			

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS		
	Computer Literacy	Mid/Sec	Training - Purchase 4 computers.
		Sec	Expansion.
	Handicapped		

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	50	46	3	1	10
DISTRICT OFFICE:	6	0	6	0	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
ORANGEBURG #8 Starr Bright Computer Coordinator P. O. Box 188 Branchville, SC 29432 274-8900	COMP LIT	12	Lanier/ Radio Shack	
	COMP PROG	12	Lanier	
	READ/LANG	1-12	Apple IIe	
	SCIENCE	8-12	Apple IIe/IIc	
	MATHEMATICS	1-12	Apple IIe	
	TOOL	10-12	Apple IIe/IIc	
	BUS EDUC	10-12	Lanier	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Computer Literacy	8		Nine weeks of training has been scheduled for 8th grade students in lieu of study hall for 1987-88.
	Keyboarding	10-12		

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	38	33	4	1	17
DISTRICT OFFICE:	1	0	1	0	1

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
PICKENS Claude M. Herndon Coord. of Sec. Math Route 8 Box 375 Easley, SC 29640 859-1405	COMP LIT	7-12	Comm/IBM/ Apple IIe/	The primary use is as a supplement to instruction enhancement of instruction at as many levels possible. Some programming (Logo) is done at the elementary level; however, most programming is at the secondary level with emphasis on computer science through Basic or Pascal using mathematics.
	COMP PROG	8-12	Comm/IBM/ Apple IIe/	
	READ/LANG	K-12	Comm/IBM/ Apple IIe/	
	SCIENCE	K-12	Comm/IBM/ Apple IIe/	
	MATHEMATICS	K-12	Comm/IBM/ Apple IIe/	
	S STUDIES	K-12	Comm/IBM/ Apple IIe/	
	FOREIGN LANG	8-12	Comm/IBM/ Apple IIe/	
	TOOL	7-12	Comm/IBM/ Apple IIe/	
	BUS EDUC	9-12	Comm/IBM/ Apple IIe/	
	OTHER VOC ED	7-12	Comm/IBM/ Apple IIe/	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			A future goal is to have each with a computer lab and sufficient mobile computers for classroom use. A long term goal includes a computer with large screen monitor in every mathematics classroom starting with 7-12. Each student should learn how to use the computer as an appropriate tool. As more sophisticated programs are available, more CAI may be used (causiously). Voc School hopes to have CAD training 87-88.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	387	329	40	18	172
DISTRICT OFFICE:	19	0	19	0	9

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
RICHLAND #1 Jim Hockman Coord Instr Computing 1616 Richland St Columbia, SC 29201 738-2516	COMP LIT	K-12	Apple IIe/ IBM PC	All district schools have computers in lab and/or classroom settings. Computers support instruction in all Chapter I and EIA classes. Six schools participate in a CAI project where 10-15 computers are available for students on a regular basis. Schools also have computers which are shared teachers for CAI and enrichment. A trend in 1986-87 is to purchase more peripherals (printers, second disk drives, etc.) and computers to which more students have access. The district will have completed modifications to 75 classrooms by 1987-88 for computer-based programs in CAI, literacy, vocational education, programming and remedial/compensatory education.
	COMP PROG	2-12	Apple IIe/ IBM PC	
	READ/LANG	K-12	Apple IIe	
	SCIENCE	4-12	Apple IIe	
	MATHEMATICS	K-12	Apple IIe/ IBM PC	
	TOOL	2-12	Apple IIe/ IBM PC	
	BUS EDUC	9-12	IBM PC	
	OTHER VOC ED	9-12	IBM PC	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Continue building and expanding existing programs.	All		The existing curriculum guide is being evaluated and revised to take advantage of changes in instructional computing and technology. Plans are being made to coordinate purchases of software. Training opportunities will continue to be offered on a regular basis through Teacher Center and staff development programs. There are no plans for initiating major programs; existing programs will be improved and offered to more students.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	1347	1182	61	103	557
DISTRICT OFFICE:	81	16	65	0	54

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
RICHLAND #2 Deborah G Randolph Mgr of Computer Serv 6831 Brookfield Rd Columbia, SC 29206 787-1917				Richland District #2 has developed a computer literacy curriculum.
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Expand computer labs	El & Mid		Additional computers for instruction will be purchased for lab setting and classroom use.
	Instructional Management	All		A management system is being investigated for district-wide implementation through our network.
	Computer in teacher resource center	All		New teacher resource center will include computers and software. Demonstrations will be provided for teachers.
	Expand software availability	All		

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	318	259	25	31	96
DISTRICT OFFICE:	44	0	44	0	41

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
SALUDA Kay Rankin Basic Skills/ Chapter I Coord 404 N Wise Rd Saluda, SC 29138 445-8441	COMP LIT	5-12	Apple IIe	All elementary students ae given access to computers on a limited basis. In Compensatory, Remedial and Chapter I classes, computers are used for drill and practice. Kindergarten and first grade students have CAI in math and reading. Computer instruction provides enrichment in G/T classrooms. Some students in grades 5-8 are instructed in computer literacy. The middle school has a computer lab available to all teachers and students. At the high school, computers are used to teach word and data processing, computer literacy, computer science and CAI in math, consumer homemaking, remedial and Chapter I classes. A computer lab is available to all teachers and students.
	COMP PROG	7-12	Apple IIe	
	READ/LANG	K-12	Apple IIe	
	SCIENCE	K-12	Apple IIe	
	MATHEMATICS	K-12	Apple IIe	
	S STUDIES	K-12	Apple IIe	
	TOOL	9-12	Apple IIe	
	BUS EDUC	9-12	Apple IIe	
	VOC ED	9-12	Apple IIe	
	GIFTED	3-10	Apple IIe	
	RESOURCE	1-12	Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Pathways Project	All		4 NCR PC8-AT All schools will use Pathways Project software for database, scheduling, attendance and grade reporting application.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	105	87	16	2	41
DISTRICT OFFICE:	13	0	9	4	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
SPARTANBURG #2 Ann M Bogan Chapter I Curr Coord P O Box 16009 Spartanburg, SC 29136 578-0128	READ/LANG MATHEMATICS	4-7 4-7	Apple IIGs Apple IIGs	Elementary - Students in Chapter I program are using computers for drill and practice. Compensatory classes also use computers to help in the areas of math and reading.
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	WICAT	Elem		WICAT labs for all elementary schools.
	Writing to Read	K		Writing to Reading labs for all kindergartens.
	Business Educ	Sec		Computer labs to teach computer programming.
	Report Cards	All		Systematic way to report to parents with the use of computers.
	EIA/Chapter I	All		To provide a unified selection process.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	174	151	17	6	57
DISTRICT OFFICE:	13	0	13	0	13

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
SPARTANBURG #3 Director of Media Servs P O Box 267 Glendale, SC 29346 579-3330				
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	131	110	6	5	65
DISTRICT OFFICE:	11	0	9	2	8

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
SPARTANBURG #4	COMP LIT	1-12	Apple	Computer literacy is provided for students. Computers are used to remediate students in mathematics and reading. Computer literacy and word processing skills are taught in computer labs (4-6), (7-9) and(10-12).
J Lynn Harrill	READ/LANG	K-12	Apple	
Dir of Instruction	MATHEMATICS	K-12	Apple	
P O Box 669	BUS EDUC	11-12	Apple	
Woodruff, SC 29388	OTHER VOC ED	11-12	Apple	
476-3186				

SCHOOL & DISTRICT OFFICE COMPUTERS

FUTURE PLANS

Continue to purchase and implement computers for classroom use.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	121	115	6	0	33
DISTRICT OFFICE:	5	0	5	0	4

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
SPARTANBURG #5	COMP PROG	11-12	Apple IIe	Secondary - Continuing reading and math remediation program with Winthrop College.
William M Barnett	READ/LANG	9-12	Apple IIe	
Admin Assistant	SCIENCE	9-12	Apple IIe	
P O Box 307	MATHEMATICS	9-12	Apple IIe	
Duncan, SC 29334	BUS EDUC	11-12	IBM PC	
439-6326	OTHER VOC ED	9-12	IBM PCjr	

SCHOOL & DISTRICT OFFICE COMPUTERS

FUTURE PLANS

None

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	152	122	7	23	45
DISTRICT OFFICE:	2	0	2	0	2

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
SPARTANBURG #6	COMP LIT	9-12	IBM/	Apple are used throughout the district in classroom and libraries in all subject areas.
Judith A Antley			Radio Shack	
Chapter I Coord	COMP PROG	9-12	IBM/	
1493 W O Ezell Blvd			Radio Shack	
Spartanburb, SC 29301	READ/LANG	2-12	CCC	
576-4212	MATHEMATICS	2-12	CCC	
	OTHER VOC ED	9-12	Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	291	248	20	23	63
DISTRICT OFFICE:	7	0	6	1	6

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
SPARTANBURG #7	COMP LIT	3-12	Apple IIe	Ten Education Systems Corporation (ESC) labs were installed at the start of the 1987-88 school year.
Carol Ellis	COMP PROG	3-12	Apple IIe	
Chapter I Coord/	SCIENCE	10-12	Apple IIe	
Math Consultant	MATHEMATICS	3-12	Apple IIe	
P O Box 970	TOOL	10-12	Apple IIe/	
Spartanburg, SC 29304			Lanier	
585-2231	BUS EDUC	10-12	Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	371	294	32	45	100
DISTRICT OFFICE:	59	41	15	3	19

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
SUMTER #2	COMP LIT	K-12	Apple IIe	Ten WICAT mainframe systems at 10 elementary schools with 30 terminals each serving 3,684 students five days a week. Lab environment where entire classes use terminals at some time for curriculum indicated. Systems also used for "after hour" tutorial and enrichment classes during school year and summer. We also have 15 PC's and 2 dot matrix printers located at our Academic Center on the campus of USC-Sumter. These computers are used for instruction with 15 students using them approximately 120 hours per year.
David Tolson	COMP PROG	10-12	IBM PC/XT	
Dir of DP/Audit	READ/LANG	2-12	Apple IIE	
492 N Guignard Dr	SCIENCE	6-12	Apple IIe	
Sumter, SC 29150	MATHEMATICS	6-12	Apple IIe	
773-1491	S STUDIES	6-12	Apple IIe	
	TOOL	9-12	IBM PC/XT	
	BUS EDUC	9-12	IBM PC/XT	
SCHOOL & DISTRICT	FUTURE PLANS			
	French	Sec.		
	Algebra	Sec.		
	Geometry	Sec.		
	Computer Literacy	Sec.		
OFFICE COMPUTERS	Typing	Sec.		
				Purchase 3 additional WICAT systems for 3 high schools.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	500	465	23	12	89
DISTRICT OFFICE:	14	0	14	0	11

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
SUMTER #17 William T Painter Dir of Grants P O Box 1180 Sumter, SC 29151 469-8536	COMP LIT	K-12	Apple IIe	Elementary students have exposure to MECC instructional computing including word processing. Middle schools use a computer laboratory for students to use for instructional programs. The high school has a semester course in computer math and a two-semester course in data processing. We published a computer catalog that includes all MECC and many commercial software series. All of the schools have completed Osiris training and the hardware installed.
	COMP PROG	K-12	Apple IIe	
	READ/LANG	K-12	Apple IIe/ PCjr	
	SCIENCE	K-12	Apple IIe	
	MATHEMATICS	K-12	Apple IIe	
	S STUDIES	K-12	Apple IIe	
	FOREIGN LANG	K-12	Apple IIe	
	TOOL	6-12	IBM/ Apple IIe	
	BUS EDUC	10-12	IBM	
	STAFF DEV	Faculty	Apple/IBM	

SCHOOL & DISTRICT OFFICE COMPUTERS — FUTURE PLANS

Compete computer networks in middle and high schools. Continue our staff development and summer computer camps. Provide IBM resources to compliment our Apple libraries and labs.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	201	157	21	23	65
DISTRICT OFFICE:	15	0	7	8	10

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
UNION Faye Baker Math/Comp Coord P O Box 907 Union, SC 29379 427-7971	COMP LIT	9-12	TRS-80	Compensatory students are served with supplementary computer programs grade 1-12 in mathematics and reading.
	COMP PROG	9-12	TRS-80	
	READ/LANG	K-12	Apple/ Comm/TI/ TRS-80	
	MATHEMATICS	1-12	Apple/ Comm/TI	
	BUS EDUC OTHER VOC ED	9-12	Apple/ Lanier/ IBM PC XT/ TRS-80	

SCHOOL & DISTRICT OFFICE COMPUTERS — FUTURE PLANS

The computer lab will be expanded at UMS to serve compensatory students in writing and mathematics for 1987-88.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	263	225	21	17	69
DISTRICT OFFICE:	11	0	11	0	6

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
WILLIAMSBURG Sandra L Steiner EIA Coordinator 423 School St Kingstree, SC 354-7058	COMP LIT	7-12	TRS-80/ Apple IIe	CAI math and reading provides the CCC system for drill and practice of basic skills to compensatory/remedial students. Some middle school/junior high school students receive instruction in computer literacy, secondary students receive instruction in computer mathematics and computer science. Data processing is taught in all four high schools. Accounting with computer application is taught in two high schools. Each high school is equipped a network of TRS-80 microcomputers and Apple IIe microcomputer. At the Vocational Center, the resource lab is equipped with TRS-80 microcomputers.
	COMP PROG	11-12	TRS-80	
	READ/LANG	4-12	Apple IIe/ CCC	
	SCIENCE	5	Apple IIe	
	MATHEMATICS	4-12	Apple IIe/	
	TOOL	1-12	TRS-80	
	BUS EDUC	9-12	TRS-80	
	VOC ED	11-12	TRS-80	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Expand use of PC's in administrative application	K-12		Computer in each school office by 1987-88.
	Expand use of CCC System to other grade and subject areas	K-12		Use in non-remedial language and math computer literacy, science and adult education.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	342	317	5	20	69
DISTRICT OFFICE:	14	0	11	3	11

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
YORK #1	COMP LIT	K-12	Apple IIe	
Terry Morrison	COMP PROG	5-12	Apple IIe/ TRS/IBM	
Asst Supr of Instr				
P O Box 770	READ/LANG	1-12	Apple IIe	
York, SC 29745	SCIENCE	1-12	Apple IIe	
684-9916	MATHEMATICS	1-12	Apple IIe	
	S STUDIES	1-12	Apple IIe	
	FOREIGN LANG	3-12	Apple IIe	
	TOOL		TRS/IBM	
	BUS EDUC		TRS/IBM	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	CAI labs using Computer Curriculum terminals-one lab per school	All		Labs will be set up for use beginning with the 1987-88 school year.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	121	111	8	4	73
DISTRICT OFFICE:	6	1	5	0	6

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
YORK #2	COMP LIT	6-12	Apple IIe	Computer literacy taught to all 6th graders, computer programming, word processing, AP and others in 9-12 and Computer Curriculum Cooperation (CCC) program in 2-12 for remediation.
John F Hicks	COMP PROG	9-12	Apple IIe	
Deputy Supt	READ/LANG	1-12	Atari/CCC	
P O Box 99	MATHEMATICS	1-12	Atari/CCC	
Clover, SC 29710	BUS EDUC	9-12	Apple IIe	
222-7171	VOC ED	9-12	Apple IIe	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Expand computer labs	All		
	Expand			

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	195	176	17	12	48
DISTRICT OFFICE:	3	0	3	0	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
YORK #3 Julia Robbins Instructional Supvr P O Box 10072 Rock Hill, SC 29730 324-5360	COMP LIT	K-12	Apple IIe	Students in all grade levels have access to CAI applications. Elementary students receive instruction in the Logo language, junior high students are offered a course in BASIC and senior high students are offered courses in BASIC and PASCAL. The Career Development Center uses computers for teaching data processing. All students have access to the computer for uses as a tool especially word processing.
	COMP PROG	K-12	Apple IIe	
	READ/LANG	1-12	Apple IIe	
	SCIENCE	1-12	Apple IIe	
	MATHEMATICS	1-12	Apple IIe	
	S STUDIES	1-12	Apple IIe	
	FOREIGN LANG	9-12	Apple IIe	
	TOOL	1-12	apple IIe	
	BUS EDUC	9-12	Monroe/ Epson/ Apple IIe	
	VOC EDUC	9-12	Zenith	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Implement the K-6 computer curriculum	Elem		All teachers in the district have received 10 hours of inservice in computer literacy and Logo in preparation for teaching the skills in the computer curriculum.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	387	343	21	42	93
DISTRICT OFFICE:	10	0	8	2	3

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
YORK #4 Dan Jones Dir of Special Serv P O Box 369 Fort Mill, SC 29715 547-6013	COMP LIT	3-12	Apple IIe/IIc	Computer literacy has been covered through grades 3-12. Elementary and secondary programs meet criteria for remedial and compensatory education and are served by both Computer Assisted Instruction and Computer Managed Instruction.
	COMP PROG	1-12	Apple IIe/IIc	
	READ/LANG	1-12	Apple IIe/IIc	
	SCIENCE	6-8	Apple IIe/IIc	
	MATHEMATICS	1-12	Apple IIe/IIc	
	VOC ED	9-12	Apple IIe/IIc	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Continue current activities			

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	114	103	9	6	26
DISTRICT OFFICE:	8	0	8	0	6

DISTRICT/CONTACT	INSTR. USES	GRADE	BRAND/MODEL	DESCRIPTION
SCHOOL COMPUTERS				
SC Dept of Youth Svcs	READ/LANG	6-12	Apple IIe/IIGs	A computerized system is in place which scores the CAT (California Achievement Test), correlates the results to BSAP, and prints out a mastery/non-mastery report for use in remedial classrooms as well as regular classes. Also being used for some objective based vocational education.
Wallace N Meggs Jr	SCIENCE	6-12	Apple IIe/IIGs	
Adm Prog Analyst	MATHEMATICS	6-12	Apple IIe/IIGs	
P O Box 21787	SOCIAL STUDIE	6-12	Apple IIe/IIGs	
Columbia, SC 29210	VOC EDUC	9-12	Apple IIe/IIGs	
737-9110				
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			
	Reading/ Mathematics/ Science	7-12		Expand management system to provide prescription of materials to use and incorporate its use in science.

TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	81	73	8	0	32
DISTRICT OFFICE:	5	0	5	0	6

REPORT ON THE USE OF PRINTERS
LISTED BY USE AND BRAND-MODEL

ELEMENTARY SCHOOLS

COMPUTER	TOTAL	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
BRAND MODEL	QUANTITY	QTY	DISTS	SCHS.	QTY	DISTS	SCHS.	QTY.	DISTS.	SCHS.
DOT MATRIX	1,789	1,109	84	380	410	73	268	279	53	144
LASER	11	5	5	1	4	3	4	2	2	2
LETTER QUALITY	254	87	60	54	115	53	100	56	23	35
OTHER	119	62	28	32	40	18	34	18	9	11
TOTALS	2,173	1,263			569			355		

MIDDLE SCHOOLS

COMPUTER	TOTAL	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
BRAND MODEL	QUANTITY	QTY	DISTS	SCHS.	QTY	DISTS	SCHS.	QTY.	DISTS.	SCHS.
DOT MATRIX	601	370	53	92	131	39	72	102	23	41
LASER	2	1	2	1	1	1	1	0	0	0
LETTER QUALITY	106	55	27	16	44	20	32	7	4	4
OTHER	28	15	10	9	3	6	9	4	3	4
TOTALS	737	441			185			113		

SECONDARY SCHOOLS

COMPUTER	TOTAL	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
BRAND MODEL	QUANTITY	QTY	DISTS	SCHS.	QTY	DISTS	SCHS.	QTY.	DISTS.	SCHS.
DOT MATRIX	2,548	1,924	90	202	322	76	154	301	44	79
LASER	13	7	8	6	3	3	3	3	2	2
LETTER QUALITY	592	409	66	91	124	42	72	59	16	21
OTHER	134	107	26	26	12	9	9	11	4	4
TOTALS	3,287	2,447			461			374		

VOCATIONAL SCHOOLS

COMPUTER	TOTAL	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
BRAND MODEL	QUANTITY	QTY	DISTS	SCHS.	QTY	DISTS	SCHS.	QTY.	DISTS.	SCHS.
DOT MATRIX	443	405	35	39	18	14	14	20	9	10
LASER	3	1	3	1	1	1	1	1	1	1
LETTER QUALITY	182	160	35	34	14	12	12	8	5	6
OTHER	25	20	10	9	5	2	2	0	0	0
TOTALS	653	586			38			29		

REPORT ON THE USE OF COMPUTERS
LISTED BY USE AND BRAND-MODEL
ELEMENTARY SCHOOLS

COMPUTER	TOTAL	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
BRAND MODEL	QUANTITY	QTY	DISTS	SCHS.	QTY	DISTS	SCHS.	QTY.	DISTS.	SCHS.
APPLE	6,398	5,589	87	530	297	56	205	537	43	155
APPLE (MAC)	12	5	5	3	5	2	5	2	1	2
ATARI	251	251	15	48	0	0	0	0	0	0
CCC	232	225	10	26	2	2	2	5	2	2
COMMODORE	490	430	27	73	22	5	6	38	5	6
DIGITAL	18	17	4	3	0	0	0	1	1	1
FRANKLIN	5	4	2	3	0	0	0	1	1	1
IBM PC	75	27	23	7	46	20	42	2	2	2
IBM PC (34 OR ETC.)	11	1	7	1	8	5	5	2	2	2
IBM PC AT	52	12	17	10	36	15	34	4	2	3
IBM PC JR	497	479	18	52	4	4	4	7	3	3
IBM PC XT	49	8	20	8	33	15	31	8	8	8
LEADING EDGE	9	0	5	0	9	5	8	0	0	0
MONROE	1	0	1	0	1	1	1	0	0	0
NCR	170	16	60	13	146	58	143	10	9	9
NIDORF	2	0	2	0	2	2	2	0	0	0
SONY	31	21	2	3	0	0	0	10	1	1
SPERRY	14	1	8	1	13	8	13	0	0	0
TANDY	39	38	5	5	1	1	1	0	0	0
TI	318	305	25	50	3	2	2	10	1	2
TRS-80 (I-IV)	185	172	24	58	8	5	8	5	4	5
TRS-80 COLOR	187	179	18	33	2	2	2	6	2	2
WANG	1	0	1	0	1	1	1	0	0	0
WICAT	339	330	3	11	6	1	6	3	1	3
XEROX	1	0	1	0	0	0	0	1	1	1
ZENITH	7	7	1	1	0	0	0	0	0	0
TOTALS	9,384	8,114			645			652		

REPORT ON THE USE OF COMPUTERS
LISTED BY USE AND BRAND-MODEL
MIDDLE SCHOOLS

COMPUTER	TOTAL	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
BRAND MODEL	QUANTITY	QTY	DISTS	SCHS.	QTY	DISTS	SCHS.	QTY.	DISTS.	SCHS.
APPLE	2,216	1,977	55	126	109	27	60	132	24	44
APPLE (MAC)	6	1	3	1	1	1	1	1	1	1
ATARI	109	109	6	14	0	0	0	0	0	0
BELL & HOWELL	2	2	1	1	0	0	0	0	0	0
CCC	84	82	7	10	2	2	2	0	0	0
COMMODORE	216	215	13	20	0	0	0	1	1	1
DIGITAL	2	0	2	0	0	0	0	2	2	2
FRANKLIN	14	13	4	3	0	0	0	0	0	0
IBM PC	16	7	6	2	7	2	3	2	2	2
IBM PC AT	15	2	9	2	13	9	13	0	0	0
IBM PC JR	126	123	5	11	2	1	1	1	1	1
IBM PC XT	22	3	9	3	18	6	16	1	1	1
LEADING EDGE	3	0	1	0	3	1	1	0	0	0
NCR	55	4	30	4	47	25	47	4	4	4
SPERRY	2	0	2	0	2	2	2	0	0	0
TANDY	2	0	1	0	2	1	1	0	0	0
TI	94	90	10	11	4	1	1	0	0	0
TRS-80 (I-IV)	124	115	9	16	2	2	2	7	2	2
TRS-80 COLOR	25	19	2	8	0	0	0	6	1	1
VIEWPOINT	1	0	1	0	1	1	1	0	0	0
WANG	91	90	1	3	0	0	0	1	1	1
WICAT	31	30	1	1	1	1	1	0	0	0
ZEROX	25	25	1	1	0	0	0	0	0	0
TOTALS	3,278	2,907			214			158		

REPORT ON THE USE OF COMPUTERS
LISTED BY USE AND BRAND-MODEL
SECONDARY SCHOOLS

COMPUTER BRAND MODEL	TOTAL QUANTITY	INSTRUCTIONAL QTY	INSTRUCTIONAL DISTS	INSTRUCTIONAL SCHS.	ADMINISTRATIVE QTY	ADMINISTRATIVE DISTS	ADMINISTRATIVE SCHS.	INSTR. & ADMIN. QTY.	INSTR. & ADMIN. DISTS.	INSTR. & ADMIN. SCHS.
APPLE	5,515	4,929	89	228	240	57	119	373	40	74
APPLE (MAC)	54	33	17	13	15	6	7	6	6	6
AT & T	3	0	2	0	6	2	2	0	0	0
ATARI	134	133	8	16	0	0	0	1	1	1
BELL & HOWELL	1	1	1	1	0	0	0	0	0	0
CCC	107	107	7	8	0	0	0	0	0	0
COLUMBIA	21	21	1	1	0	0	0	0	0	0
COMMODORE	137	135	18	31	1	1	1	1	1	1
COMPAQ DATA	1	0	1	0	1	1	1	0	0	0
DIGITAL	72	33	43	31	22	16	19	17	14	15
EPSON	1	0	1	0	1	1	1	0	0	0
FRANKLIN	20	17	3	4	3	2	3	0	0	0
IBM PC	1,636	1,539	42	72	52	17	28	31	5	7
IBM PC (34 OR ETC.)	46	42	7	4	3	2	3	1	1	1
IBM PC AT	111	57	29	11	52	24	41	2	2	2
IBM PC JR	147	106	19	19	11	7	8	30	5	5
IBM PC XT	200	162	28	15	33	20	27	5	3	3
KAYPRO	3	0	1	0	3	1	2	0	0	0
LANIER	103	100	8	9	3	1	1	0	0	0
LEADING EDGE	46	35	8	5	11	5	6	0	0	0
MONROE	2	1	2	1	1	1	1	0	0	0
MORROW	1	1	1	1	0	0	0	0	0	0
NCR	141	17	57	12	117	52	99	7	6	7
SANYO	1	0	1	0	0	0	0	1	1	1
SCOIS	3	2	9	2	0	0	0	1	1	1
SPERRY	8	0	5	0	7	4	4	1	1	1
TANDY	299	288	17	21	8	6	6	3	3	3
TELEVIDEO	2	0	2	0	2	2	2	0	0	0
TI	40	39	10	9	1	1	1	0	0	0
TIMEX	1	1	1	1	0	0	0	0	0	0
TRS-80 (I-IV)	789	687	41	76	17	9	11	85	11	14
TRS-80 COLOR	160	157	21	26	1	1	1	2	1	1
VARITYPER	3	0	1	0	0	0	0	3	1	1
WANG	10	7	5	3	3	3	3	0	0	0
XEROX	25	7	2	1	0	0	0	18	2	2
TOTALS	9,843	8,657			611			588		

REPORT ON THE USE OF COMPUTERS
LISTED BY USE AND BRAND-MODEL
VOCATIONAL SCHOOLS

COMPUTER BRAND MODEL	TOTAL QUANTITY	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
		QTY	DISTS	SCHS.	QTY	DISTS	SCHS.	QTY.	DISTS.	SCHS.
APPLE	448	418	30	32	17	11	11	13	6	7
APPLE (MAC)	40	27	7	5	1	1	1	2	1	1
BURROUGHS	3	3	2	2	0	0	0	0	0	0
COMMODORE	11	11	7	7	0	0	0	0	0	0
CONTROL DATA	1	1	1	1	0	0	0	0	0	0
EPSON	11	10	2	1	1	1	1	0	0	0
IBM DISPLAY	2	1	1	1	1	1	1	0	0	0
IBM PC	299	260	18	16	34	7	9	5	3	3
IBM PC (34 OR ETC.)	62	57	5	5	1	1	1	4	2	2
IBM PC AT	42	31	10	5	10	7	7	1	1	1
IBM PC JR	39	38	5	4	1	1	1	0	0	0
IBM PC XT	137	125	12	11	11	6	6	2	2	2
KAYPRO	27	26	2	2	0	0	0	1	1	1
LANIER	53	52	4	4	1	1	1	0	0	0
MONROE	19	19	3	3	0	0	0	0	0	0
NCR	3	2	3	2	1	1	1	1	1	1
NEC	1	0	1	0	0	0	0	1	1	1
NIDORF	2	1	2	1	1	1	1	0	0	0
TANDY	78	75	10	8	2	2	2	2	2	2
TRS-80 (I-IV)	159	158	12	13	1	1	1	0	0	0
TRS-80 COLOR	24	24	5	5	0	0	0	0	0	0
ZENITH	75	71	12	11	0	0	0	4	1	1
TOTALS	1,536	1,410			83			46		

STATEWIDE COMPUTER EQUIPMENT REPORT BY DISTRICT FOR 1986

COUNTY	AREA OR DIST	NO. OF SCHOOLS	NO. OF COMPUTERS		NO. OF PRINTERS		TOTAL DOLLARS	
			DISTRICTS	SCHOOLS	DISTRICTS	SCHOOLS	AT DISTRICTS	FOR DISTRICTS
ABBEVILLE	60	11	18	110	5	55	32,275	2,800
AIKEN	01	38	18	1,065	17	217	556,000	-
ALLENDALE	00	1	-	22	-	11	-	-
	01	4	7	116	6	24	41,000	4,600
ANDERSON	00	1	-	35	3	17	-	-
	01	12	4	200	7	40	15,969	15,969
	02	7	41	122	1	40	67,374	4,000
	03	4	2	157	1	26	-	-
	04	6	1	25	12	15	22,897	8,397
	05	17	11	312	3	116	391,000	6,250
BAMBERG	01	5	3	71	5	30	29,810	3,500
	02	3	4	83	-	34	257,500	16,500
BARNWELL	00	1	-	-	4	-	-	-
	19	3	4	71	2	24	38,672	4,146
	29	3	2	51	2	14	23,040	3,500
	45	4	2	76	-	24	20,447	-
BEAUFORT	00	1	-	36	19	22	-	-
	01	19	21	357	22	100	16,444	16,453
BERKELEY	01	35	31	1,071	5	254	1,236,756	39,900
CALHOUN	01	5	5	69	104	54	99,473	5,200
CHARLESTON	01	69	102	1,992	6	605	569,460	20,000
CHEROKEE	01	19	6	385	18	75	578,882	37,983
CHESTER	01	14	23	300	6	90	45,071	45,071
CHESTERFIELD	01	16	8	321	-	83	49,500	1,900

STATEWIDE COMPUTER EQUIPMENT REPORT BY DISTRICT FOR 1986

COUNTY	AREA OR DIST	NO. OF SCHOOLS	NO. OF COMPUTERS		NO. OF PRINTERS		TOTAL DOLLARS	
			DISTRICTS	SCHOOLS	DISTRICTS	SCHOOLS	AT DISTRICTS	FOR DISTRICTS
CLARENDON	00	1	-	42	-	17	-	-
	01	4	3	35	3	4	12,379	417
	02	4	4	156	5	32	19,609	1,364
	03	3	4	48	4	9	54,500	5,500
COLLETON	01	14	3	169	3	50	104,632	3,848
DARLINGTON	01	26	26	459	21	141	-	-
DILLON	00	1	-	26	-	26	-	-
	01	3	1	34	1	4	19,272	3,340
	02	7	7	177	5	72	131,943	19,000
	03	3	3	48	3	5	133,197	3,265
DORCHESTER	00	1	-	30	-	19	-	-
	01	3	-	54	-	19	-	-
	02	11	7	366	7	100	160,000	64,000
	03	3	-	26	-	13	-	-
	04	-	1	-	1	-	52,165	4,500
EDGEFIELD	01	7	4	260	6	43	8,580	500
FAIRFIELD	01	9	7	92	4	24	-	-
FLORENCE	01	19	15	663	13	99	-	-
	02	4	3	73	3	33	3,000	300
	03	8	2	200	4	58	23,000	9,000
	04	5	4	73	4	10	38,893	8,399
	05	3	1	70	-	23	47,000	2,500
GEORGETOWN	01	18	41	363	26	92	362,348	46,157
GREENVILLE	01	92	47	1,840	28	584	4,740,634	-

STATEWIDE COMPUTER EQUIPMENT REPORT BY DISTRICT FOR 1986

			NO. OF COMPUTERS		NO. OF PRINTERS		TOTAL DOLLARS	
COUNTY	AREA OR DIST	NO. OF SCHOOLS	DISTRICTS	SCHOOLS	DISTRICTS	SCHOOLS	AT DISTRICTS	FOR DISTRICTS
GREENWOOD	00	1	-	23	-	6	-	-
	50	13	14	248	15	89	90,615	16,439
	51	4	2	31	2	5	24,450	-
	52	3	2	54	3	25	9,100	5,000
HAMPTON	01	6	1	125	1	33	35,627	200
	02	3	5	130	5	18	38,500	5,200
HORRY	01	35	75	693	52	190	462,126	1,750
JASPER	01	3	3	40	3	10	-	-
KERSHAW	01	18	16	273	11	59	133,000	20,000
LANCASTER	01	22	9	364	9	140	6,738	6,738
LAURENS	55	9	7	138	8	27	106,900	7,050
	56	7	8	109	9	46	52,750	23,700
LEE	01	8	4	250	4	41	253,157	3,856
LEXINGTON	01	11	8	254	8	89	142,626	-
	02	16	13	388	15	139	172,400	23,550
	03	4	75	78	4	25	15,300	13,800
	04	5	2	72	3	10	15,000	16,000
	05	12	26	343	21	48	252,600	20,000
MCCORMICK	01	3	2	90	2	12	39,579	-
MARION	00	1	-	38	-	6	-	-
	01	5	5	111	3	25	21,816	200
	02	6	5	205	5	56	74,840	12,500
	03	3	1	25	1	10	16,000	3,200
	04	2	1	37	1	9	-	-

STATEWIDE COMPUTER EQUIPMENT REPORT BY DISTRICT FOR 1986

COUNTY	AREA OR DIST	NO. OF SCHOOLS	NO. OF COMPUTERS		NO. OF PRINTERS		TOTAL DOLLARS	
			DISTRICTS	SCHOOLS	DISTRICTS	SCHOOLS	AT DISTRICTS	FOR DISTRICTS
MARLBORO	01	18	2	296	1	52	23,726	-
NEWBERRY	01	19	5	193	5	55	71,640	3,250
OCONEE	01	24	37	378	12	99	89,000	1,000
ORANGEBURG	00	2	-	45	-	17	-	-
	01	4	2	70	3	9	31,360	-
	02	2	-	17	1	7	7,500	2,120
	03	8	2	69	2	26	53,174	5,753
	04	3	2	61	-	21	7,553	1,252
	05	10	18	423	19	77	257,000	53,500
	06	2	1	15	1	10	1,500	1,500
	07	2	6	50	4	10	20,925	4,969
	08	2	1	38	1	17	14,741	4,398
PICKENS	01	27	19	387	9	172	174,000	5,000
RICHLAND	01	53	81	1,347	54	557	221,025	6,850
	02	14	44	318	41	96	67,152	33,000
SALUDA	01	4	13	105	4	41	9,200	-
SPARTANBURG	00	3	-	85	-	34	-	-
	01	8	3	150	3	36	17,328	-
	02	10	13	174	13	57	164,950	45,386
	03	7	11	131	8	65	19,500	2,200
	04	4	5	121	4	33	38,406	-
	05	7	2	152	2	45	41,113	2,250
	06	14	7	291	6	63	14,853	14,853
	07	15	59	371	19	100	38,500	1,500

STATEWIDE COMPUTER EQUIPMENT REPORT BY DISTRICT FOR 1986

COUNTY	AREA OR DIST	NO. OF SCHOOLS	NO. OF COMPUTERS		NO. OF PRINTERS		TOTAL DOLLARS	
			DISTRICTS	SCHOOLS	DISTRICTS	SCHOOLS	AT DISTRICTS	FOR DISTRICTS
SUMTER	00	1	-	28	-	5	-	-
	02	14	14	500	11	89	23,250	11,250
	17	9	15	201	10	65	168,985	5,500
UNION	01	11	11	263	6	69	14,300	2,200
WILLIAMSBURG	01	15	14	342	11	69	120,031	120,031
YORK	01	7	6	121	6	73	9,300	7,800
	02	6	3	195	3	48	280,000	-
	03	21	10	387	3	93	596,335	474,294
	04	4	8	114	6	26	29,560	24,000
YOUTH SERVICES	04	1	-	8	-	2	-	-
	06	1	-	44	-	15	-	-
	08	2	5	81	6	32	66,910	15,462
TOTALS		1,101	1,199	24,041	848	6,850	14,658,663	1,436,760

SPECIAL SURVEY ADDENDUM TO 1986-87 STATEWIDE COMPUTER SURVEY

This section of the report gives a brief review of several special computer projects and firms and their activities and locations in the state. Educators are provided sufficient information to investigate these projects on their own by personal visit, correspondence or telephone.

Information provided for each includes the following:

- o. Name of firm, brand or project
- o. Contact person's name, address, telephone number
- o. Project description
- o. Placement and use of computers and software
- o. Future plans
- o. Student gains/results of project
- o. Other comments

The projects and firms described in this section include:

1. Computer Curriculum Corporation
2. Education Systems Corporation
3. Governor's Remediation Initiative
4. IBM (Clemson University and Writing to Read Projects)
5. Prescription Learning
6. South Carolina Occupational Information System (SCOIS)
7. WICAT

COMPUTER FIRM BRAND/PROJECT:	Computer Curriculum Corporation (CCC)
CONTACT PERSON:	Charlie House, Jr.
ADDRESS:	1775 The Exchange, Suite 615 Atlanta, GA 30339
TELEPHONE:	404 952-9287 or 800 334-6343
PERSON SUPPLYING INFORMATION:	Thomas F. Foley, Regional Vice President-Marketing

A. PROJECT DESCRIPTION

Over the past two decades, CCC has developed an instructional use of computers that consistently produces measurable results for students at all levels. By taking CCC's individualized math, reading and language arts courses, students dramatically increase their rate of learning.

The U.S. Department of Education has awarded many schools using CCC systems "Exemplary Program" awards for outstanding achievement growth.

Over 1,300 schools and 500,000 students use CCC systems daily—more than those of all other providers of CAI systems combined.

Students receive individualized instruction they can't get in the classroom. A powerful computer delivers lessons at multiple learning stations, and continually adjusts the level as each student's performance improves. Detailed reports help teachers keep track of student performance.

The courses span the school curriculum, including reading, math, language arts, even computer science and logic. Courses provide practice tailored to each student's needs, and introduce concepts using interactive, self-paced presentations.

Unlike courseware on floppy disks, many CCC courses cover several grades. For example, CCC's popular Math Skills course progresses from grades one through eight. Yet every minute of this eight-year course is delivered at each student's performance level—whether the student is below average, gifted or even adult.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

EQUIPMENT PLACED BY SCHOOL, SUBJECT AND GRADE

CCC's programs are used in districts throughout South Carolina, from grades 1-12 and adult education. In the spring of 1987, there were 173 labs serving 28,550 students each day. The majority of these terminals were used by EIA remedial and compensatory students and by Chapter I students in reading and math.

As of October 5, 1987, CCC had 1,851 terminals installed in 168 schools in 22 school districts.

	No. of Schools	No. of Terminals
Abbeville	8	56
Bamberg 2	28	248
Berkeley	16	270
Charleston	23	180
Chesterfield	17	235
Dillon 3	2	32
Dorchester 4	1	10
Florence 2	3	21
Florence 3	7	84
Florence 4	3	24
Georgetown	5	48
Horry	12	135
Jasper	1	18
Laurens 56	7	100
Lexington 3	3	38
Lexington 4	1	10
Marion 1	4	50
Orangeburg 7	2	17
Spartanburg 6	14	160
Williamsburg	4	40
York 1	6	67
	168	1,851

C. FUTURE PLANS

CCC continues to develop new courseware in the basic skills. Math Concepts for Grades K-3 will include skills in whole numbers, fractions, geometry and measurement. This course, for students in grades 3-6, is scheduled for release in the Fall, of 1987, and will integrate reading skills and theme work enhanced by graphics. Reading with audio for grades K-2 is scheduled to be available in 1988. Writer's Express, scheduled for release in Fall 1987, is a grade 3-6 writing course using color, graphics and word processing with a spelling checker.

The UNIX* Operating System allows a growing set of UNIX* application software such as Communications Package, Text Editor and Tools, word processing, CAST and CMI, Historyread and Individualized Prescriptive Strategy, to name a few. These UNIX* programs are now available. Others are under development.

*UNIX is an unregistered trademark of AT&T Bell Laboratories.

D. STUDENT GAINS/RESULTS OF PROJECT

Improvements of 50-20 percent are typical of districts using the CCC MICROHOST* Instructional System. Grade level gains of 1.4 years for 25 hours of use are expected for students in math, reading and language skills courses.

The following is an abstract from the Escambia County School System, CIA Laboratory, School Year 1986-87 Report.

> The Computer Assisted Instruction Laboratory, founded by JTPA, was established in Escambia County in the school year 1986-87 to provide those high school students who are at the highest risk with a program that will allow each individual to increase their understanding of a particular subject by working at their own rate and at a level they can comprehend; and then let them progress to higher levels of achievement.
>
> During the first semester of 1986, the system consisted of 16 terminals located at Pensacola High School. The program started in October with 247 students, of which 60 were verified JTPA students, and eight classroom teachers. During that semester, the lab conducted 5,243 student sessions and realized an average grade level gain of .55 in Reading for Comprehension and .22 in Math Skills.

*MICROHOST is a trademark of Computer Curriculum Corporation.

E. OTHER COMMENTS

- Training Component: Training is provided by CCC for district personnel involved in the program. Four days of extensive training is given to the CAI proctors. Teachers and administrators are inserviced in the proper use of CAI, report and analysis, and motivation.
- Maintenance: Maintenance contracts provide full, on-site service with a 24-hour response time.
- $ Value of Placement: Available upon request from CCC.
- Future Products to be Provided, Developed: Graphic Server for a Distributed CAI Network.
- Name of Person to Contact for Demonstration, Conference Presentation: Charlie House, Jr., Marketing Representative, 800-334-6343 or 404-952-9287.

COMPUTER FIRM BRAND/PROJECT: Education Systems Corporation (ESC)

CONTACT PERSON: Mary Ann Pujol

ADDRESS: 600 South Rays Road
Stone Mountain, GA 30083

TELEPHONE: 404-296-6714

A. PROJECT DESCRIPTION

Spartanburg District 7 was concerned about the performance of students on the CTBS and BSAP tests. In the math and reading areas, higher order thinking skills were not being developed as fully as concrete and computation level skills.

The district researched Integrated Learning Systems to find a CAI/CMI curriculum which would deliver basic skills instruction as well as higher-order thinking activities. ESC was chosen for the quality of lesson development, the management system and the on-going support and services.

The six schools qualifying for Chapter I funding are delivering their Chapter students supplemental math and reading instruction through the ESC Learning System. Three schools are supplementing math and reading instruction to compensatory student populations funded with state compensatory funds. All District 7 elementary schools have the ESC Learning System.

The ESC Learning System includes 1,500+ lessons in math, reading and language arts. Each lesson contains color graphics, sound and human speech. The lessons are correlated to major basals, standardized tests, state tests and district objectives. The students are placed into the Learning System at their instruction level, as determined by the Basic Skills Inventory. Their progress is monitored and managed by the host system. A variety of progress and mastery reports is generated by the management system.

ESC offers on-going service through the Client Support Division. This team includes a lab manager and account manager to ensure smooth day to day operations.

The ESC Learning System is available on industry standard microcomputers, including the Apple IIgs, Tandy 1000, IBM PS/30 and ATT. The software storage is on an economical CD-ROM. The stations are networked together from a host unit which includes the CD-ROM and printer.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

EQUIPMENT PLACED BY SCHOOL, SUBJECT AND GRADE

SCHOOL DISTRICT	SCHOOL	GRADES	SUBJECT AREAS EMPHASIZED	EQUIPMENT MODEL/QUANTITY
Spartanburg 7	Cleveland El.	2-6	Reading & Math	Tandy 1000 NW/54station
	Chapman El.	2-6	Reading & Math	Tandy 1000 NW/24station
	Park Hills El.	2-6	Reading & Math	Tandy 1000 NW/24station
	Houston El.	2-6	Reading & Math	Tandy 1000 NW/25station

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE: (continued)

EQUIPMENT PLACED BY SCHOOL, SUBJECT AND GRADE

SCHOOL	GRADES	SUBJECT AREAS EMPHASIZED	EQUIPMENT MODEL/QUANTITY
Madden El	2-6	Reading & Math	Tandy 1000 NW/33station
M H Wright El	2-6	Reading & Math	Tandy 1000 NW/36station
Pine Street El	2-6	Reading & Math	Tandy 1000 NW/16station
J Boyd El	2-6	Reading & Math	Tandy 1000 NW/24station
Todd El	2-6	Reading & Math	Tandy 1000 NW/28station

C. FUTURE PLANS

ESC plans to expand into other districts in South Carolina. The focus is on elementary and middle/junior high levels in math, reading, language arts and science.

D. STUDENT GAINS/RESULTS OF PROJECT

Test results are not yet available on the Spartanburg installation. Pretests have been administered; the post-test will be given in spring of 1988, with the results available in the summer of 1988.

E. OTHER COMMENTS

- Training: ESC offers training for lab attendants and classroom teachers. On-going in-service training is available to classroom teachers. This provides a coordination of instructional plans between the classroom and the Learning System.

- Software Maintenance: Districts receive revisions, updates and additions to the curriculum on a timely basis. This software is stored on a CD-ROM which allows system maintenance to take place in a fraction of the time necessary to update other storage devices.

- Hardware Maintenance: Districts should consider on-site service for the host and network portions of the lab. Carry-in service is recommended for the student stations.

- Future Products: The basic curriculum has been expanded to include K-8 math, reading and language arts. Middle school science and life skills are under development.

- CMI Function: The student enters the Learning System upon the recommendation of the Basic Skills Inventory, the classroom teacher and district personnel. After initial placement into the Learning System, lesson are delivered to the student on his instructional level. Reports are generated to ensure mastery of objectives. Diagnostic checkers and unit tests are embedded throughout the strands to assure mastery and correct placement. Branching and repositioning within the strand provides additional drill and practice.

COMPUTER FIRM BRAND/PROJECT: Governor's Remediation Initiative (GRI)

CONTACT PERSON: Sandy McCaskill

ADDRESS: 115 Withers, Winthrop College
Rock Hill, SC 29733

TELEPHONE: 803-323-2120

A. PROJECT DESCRIPTION

The Governor's Remediation Initiative was funded initially by the Office of the Governor, Division of Employment and Training, in 1983. The total funds were $4.5 million, to be made available to establish and operate the program. The overall objective of the project was to develop and implement a remediation system to be used by high schools in the state of South Carolina. The system is based upon reading and mathematics curricula that have been correlated with the BSAP objectives for the state. The instructional setting is competency based, diagnostic and prescriptive, individualized and measurable.

Each math lab contains four computers—three Apples and one Rainbow. Each participating high school provides the three Apple computers and a printer. The GRI provides one Rainbow, one printer and a modem for telecommunications.

Each reading lab contains five computer workstations—all Apple IIe's currently. Each school provides three Apples and a printer. The GRI grant provides two Apples, a hard disk and a modem.

Each high school with a GRI lab is networked together with all other participating high schools and with Winthrop College through a mainframe computer located at Winthrop College.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

Currently, there are 104 GRI math labs in 58 school districts and 69 reading labs in 46 school districts. Plans are being made to establish an additional 30 labs this year (10 math and 20 reading). All labs are intended to serve students in grades 9-12. The subjects are remedial mathematics and remedial reading. Participating South Carolina high schools include the following.

Aiken High
Airport High
Allendale-Fairfax High
Andrews High
Barnwell High
Battery Creek High
Beaufort High
Berea High
Berkeley High
Bishopville High
Blackville-Hilda High
Boiling Springs High
Elloree High
Estill High
Fairfield Co. Voc. Center
A.C. Flora High
Furman High
Gaffney High
Georgetown High
Greenville High
Greenwood High
Harleyville-Ridgeville High
Hartsville High
Hemingway High
Ninety Six High
North Augusta High
North Central High
North Myrtle Beach High
Northwestern High
Orangeburg-Wilkinson High
Pendleton High
Pleasant Hill High
Ridge Spring-Monetta High
Rock Hill High
Ruffin High
St. George High

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE: (continued)

Britton's Neck High
Broome High
James F. Byrnes High
Cainhoy High
Calhoun County High
Camden High
Carolina High
Cheraw High
Cherokee High
Chester High
Choppee High
Clinton High
Clover High
Columbia High
Conway High
Crescent High
Cross High
Dillon High
Dreher High
Easley High
Eau Claire High
Hillcrest High (Dalzell)
Holly Hill-Roberts High
Irmo High
C. A. Johnson High
W. J. Keenan High
Kingstree High
Lake View High
Lamar High
Lancaster High
Lexington High
Lower Richland High
Manning High
Marion High
Mayewood High
Mayo High
Middleton High
Midland Valley High
Mount Pleasant High
Mullins High
C. E. Murray High
Newberry High
St. John's High (Darlington)
St. John's High (Charleston)
Scott's Branch High
Silver Bluff High
South Aiken High
South Florence High
Spartanburg High
Summerville High
Sumter High
Sumter High Annex
Terrell's Bay High
Strom Thurmond High
Wade Hampton High
Wagener-Salley High
Walterboro High
West Florence High
Williamsburg-Blakeley High
Williston-Elko High
Wilson High
Winnsboro High
Woodmont High

C. FUTURE PLANS

Thirty additional labs were implemented during the summer of 1987. An objective of this project is to establish at least one math and one reading lab in each school district in South Carolina. After this past summer's implementation effort, there remains 34 districts where math labs should be placed, and 46 districts where reading labs should be placed.

D. STUDENT GAINS/RESULTS OF PROJECT

Two extensive evaluations of the achievement gains of students have been conducted. The first, by Dr. Joan Gallini at USC, indicated gains of seven Normal Curve Equivalents in Math Fundamentals on the CTBS and two Normal Curve Equivalents in Math Concepts on the CTBS. This evaluation was completed in 1986. Dr. Steve Lang at Georgia Southern performed the evaluation for 1987. The Normal Curve Equtivalent gain for Math Fundamentals was 7.2, and the Normal Curve Equivalent gain for Math Concepts was 1.9—again, based on pre- to post-test scores on the CTBS.

Copies of both reports (approximately 50 pages each) are available upon specific request.

E. OTHER COMMENTS

- Teacher training is a major component of the Governor's Remediation Initiative. Approximately 300 teachers have been trained in the use of microcomputers for instructional management, instructional delivery and mainframe communications.
- A major emphasis currently underway in 22 high schools is the use of a classroom management system and test banks for remedial mathematics.
- Approximately 800 pieces of software were evaluated in 1986-87. These evaluations have been published in six volumes—two math, two English, one reading and one critical thinking and reasoning.
- This project has been funded through September 30, 1987. Continuance beyond that date is contingent on release of federal funds. As of August 25, 1987, John Rumford is acting director.

COMPUTER FIRM BRAND/PROJECT:	IBM/Clemson University Evaluation of (I.) IBM Biology Series/(II.) Writing to Read/(III.) PALS
CONTACT PERSON:	R.W. Brimmer
ADDRESS:	1333 Main Street Columbia, SC 29201
TELEPHONE:	803-748-5370

A. PROJECT DESCRIPTION

I. The Biology Department at Clemson University is evaluating IBM biology courseware through the compilation and analysis of feedback from South Carolina students and teachers in six schools, as well as the feedback from Clemson University professors. The study was conducted during the 1986-87 school year with a final report due the summer of 1987. The project is being managed by Dr. William H. Surver and Dr. Robert J. Kosinski of Clemson University.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

I. IBM Biology Series is being used in the following schools:

Clemson University		PCjrs Printer	6 1
Lexington 2	Brookland-Cayce High	PCjrs Printer	3 1
Pickens	D.W. Daniel High	PCjrs Printer	3 1
Pickens	R.C. Edwards Jr. High	PCjrs Printer	3 1
Williamsburg	Williamsburg-Blakeley High	PCjrs Printer	3 1
Georgetown	Beck Middle	PCjrs Printer	3 1
Orangeburg 7	Elloree Middle	PCjrs Printer	3 1

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE: (continued)

II. Writing to Read Classrooms is being used in the following schools:

Barnwell 19	Blackville	Fairfield	McCorey Liston El.
Berkeley	Berkeley El.	Lexington 5	Chapin El.
Charleston	James B. Edwards El.	Orangeburg 5	Marshall El.
Darlington	Brockington		Mellichamp El.
	Cain		Nix El.
	Carolina		Rivelon El.
	Lamar		Sheridan El.
	N. Hartsville		Whittaker El.
	Pate		
	Rosenwald El.	Richland 1	Sarah Nance El.
	St. Johns El.		
	Sonovista	Sumter 17	Alice Drive El.
	Southside El.		Lemira El.
	Spring El.		
	Thornwell El.		
	Washington El.		
	W. Hartsville El.		

III. Principle of the Alphabet Literacy System (PALS) is being used at:

Orangeburg 5	Wilkinson High

C. FUTURE PLANS

None planned at this time.

D. STUDENT GAINS/RESULTS OF PROJECT

Early indicators appear to be very positive, but final the report not due until summer of 1987.

E. OTHER COMMENTS

- Evaluation of the Biology Series was completed in October 1986 by the Clemson faculty.

- In the summer of 1987, participating teachers were asked to:

  1. Identify difficulties experienced with integrating modules into their curricula.
  2. Report on solutions to the problems.
  3. Report on their perceptions of how well students learned.
  4. Identify specific modules which most successfully taught science process skills.
  5. Suggest future content and presentation of concepts modifications.

- Students were asked to:

  1. Report whether they learned from the modules.
  2. Report whether they enjoyed using the series and whether it was an effective substitute for other activities.
  3. Make suggestions for modifications.

COMPUTER FIRM BRAND/PROJECT: Prescription Learning

CONTACT PERSON: Ms Jane Croxton

ADDRESS: 125 Fox Hill Place
Lexington, SC 29072

TELEPHONE: 803-356-0771

PERSON SUPPLYING INFORMATION: Barbara L. Grossrow

ADDRESS: 3820 North Third Street
Phoenix, AZ 85012

TELEPHONE: 800-422-4339

A. PROJECT DESCRIPTION

In the spring of 1986, Jostens of Minneapolis purchased Prescription Learning. Jostens, a Fortune 500 company, has been involved in the education field since 1897. Jostens is a leading manufacturer of educational products, including the Ufonic voice system, a computer synthesizer with software that "talks". The System80, an audio-visual learning machine, is also produced by Jostens.

Prescription Learning will sell all or part of the system based on the district's needs. The district can utilize existing materials and equipment, thus saving money. The district acquires ownership of the software used in the laboratory, according to the terms of the contract. The software may be duplicated for use in other parts of the schools. Prescription Learning continues to support older labs, and always uses the latest technology and assists all customers in upgrading their existing labs.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

Most laboratories are primary configuration, utilizing Apple IIe equipment and containing reading and mathematics software and consumables. South Carolina districts that have purchased Prescription Learning Laboratories and the number of labs in each are:

3	Marion 2 Mullins	1	Lexington 5 Ballentine	1	Richland 2 Columbia
7	Oconee County Walhalla	7	Greenville County Greenville	8	Darlington County Darlington
11	Kershaw County Camden	7	Dillon 2 Dillon	1	Jasper County Ridgeland
12	Berkeley County Moncks Corner	5	Edgefield County Edgefield	5	York 3 Rock Hill
6	Lee County Bishopville	7	Lexington 1 Lexington	3	Sumter 17 Sumter
1	Clarendon 3 Turbeville	1	Hampton 2 Estill	1	Calhoun County St. Matthews

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE: (continued)

2	Sumter 2 Sumter	11	Colleton County Walterboro	5	Laurens 55 Laurens
95	Governor's Remediation Sites (Reading)				

C. FUTURE PLANS

In the future, Prescription Learning plans to maintain the programs and services offered today and continue to expand upon them as educational needs and technology continues to develop. For example, as the cost of videodisc becomes more affordable, more uses for the videodisc technology will be developed. Plans have been made to expand in the areas of teacher in-services and support through videotapes. A networked laboratory will be expanded, and, as communications improve, external tie-ins will incorporated which will interface with the network. Prescription Learning see the focal point of education is being the school, but will extend it beyond, into the home, workplace and the community.

D. STUDENT GAINS/RESULTS OF PROJECT

To assess the differential impact of Prescription Learning on Chapter I students, reading competency and student achievement in Prescription Learning were compared with student achievement in non-Prescription Learning in grades 4-6.

In brief, the PL's cost-effectiveness in 1984-85 was substantial in grade 4, marginally superior in grade 5, and marginally inferior in grade 6.

E. OTHER COMMENTS

Prescription Learning provides a minimum of three days initial in-service training for all staff members who are responsible for the management of the laboratory.

In addition, two follow-up workshops are held during the school year to share new ideas and to assist with problem-solving. The workshops include principals, teachers, coordinators and paraprofessionals from many schools and districts in order to facilitate the exchange of ideas and information. Two staff members from a laboratory are invited to each workshop.

An educational consultant visits each laboratory on a regularly scheduled, twice monthly basis to assist the staff with laboratory management and operation. The consultant is professionally trained to help the staff better understand the use of the courseware and hardware. The consultant works with students at the teacher's request. Should an emergency arise, the Prescription Learning consultant may be contacted through a regional office, or by calling the home office on our toll-free number.

Hardware maintenance is essential to keeping the system operational. Prescription Learning will provide a comprehensive technical support system that provides for the installation and on-site maintenance of all hardware and software and the replacement of all stolen or damaged materials and equipment.

Contact Person: Mrs. Barbara Morris, Vice President-Sales
Prescription Learning
3820 North Third Street
Phoenix, AZ 85012
800-422-4339

COMPUTER FIRM BRAND/PROJECT: South Carolina Occupational Information System (SCOIS)

CONTACT PERSON: Carol J. Kososki, SCOICC

ADDRESS: Post Office Box 995
Columbia, SC 29202

TELEPHONE: 803-737-2733

PERSON SUPPLYING INFORMATION: Angeleen Hunter

A. PROJECT DESCRIPTION

SCOIS is a computer information system for delivering up-to-date career, education and occupational information. SCOIS provides students, adults, teachers and counselors with the information necessary to explore and plan for careers and to choose jobs in a logical and systematic way.

SCOIS is a telephone dial-up system with access to a prime mini-computer through computer terminal teleprinters or microcomputers with modems.

SCOIS is operational throughout the state, with 384 sites having access to the system.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE:

SCOIS Locations:

201	High Schools
52	Vocational Education Centers
38	Middle Schools
19	Technical Schools
13	Colleges/Universities
6	Job Service Offices
12	Community-Based Organizations
10	Public Libraries
15	Vocational Rehabilitation Centers
18	Others
384	Total Sites

SCOIS uses Digital Decwriter and Texas Instruments computer terminals. Approximately 100 SCOIS users access the system through their own personal computers, primarily Apple, IBM and Radio Shack. SCOIS is generally located in the guidance department, counseling center or media center.

C. FUTURE PLANS

Future plans are to expand SCOIS in middle schools and public libraries.

D. STUDENT GAINS/RESULTS OF PROJECT:

Over 7,000 accesses to SCOIS are recorded each month. Students have a better understanding of careers, job opportunities and educational training options as a result of using SCOIS.

E. OTHER COMMENTS

- SCOIS User Services staff maintain SCOIS owned computer terminals and provide training to counselors, teachers, librarians, students, etc.
- The annual user fee for a SCOIS owned computer terminal is $760. Users who provide their own equipment pay $450 a year.
- An extensive financial aid package with specific sources of aid to meet students' profiles is planned.
- For demonstrations or conference presentations, contact Carol J. Kososki, SCOICC Director, at 803-737-2733.

COMPUTER FIRM
BRAND/PROJECT: Educational Solutions, Inc.
WICAT Systems
Computer Adaptive Testing

CONTACT PERSON: Barry J. Lynch

ADDRESS: Post Office Box 8516
Greenville, SC 29604

TELEPHONE: 803-232-6391

A. PROJECT DESCRIPTION

WICAT has software programs available in 11 subject areas with grades varying from kindergarten through high school. New subject areas are continually being added. Courses for which programs are available or under development include:

Subject Area	Grade Range	Subject Area	Grade Range
Reading Comprehension	4-8	Writing	K-6
Language Arts	2-6	Language Arts -Secondary	6-12
Geometry	10	Algebra I, II	8-12
Mathematics	K-6	(New) Elementary School Mathematics	K-4 (Summer '88)
Typing I	K-1	Typing II	3-6
Writing I	Elem.	Writing II	7-9
English as a Second Language	K-6	French I	7-9
(New) Physics	11-12 (Fall '88)	(New) Chemistry	9-12(Under Development)
Computer Literacy (Basic Computer Concepts)	6-9	Spelling	2-6
Mathematics	5-8, 9		

Basically, the project calls for using the combined capabilities of testing (diagnosis) and prescription as part of the required programs (either local, state - EIA, of federal).

An example would be the required Exit Exam: Through WICAT, we have the capability to offer the test continuously through a student's high school career. The student would take the test on-line and the results could be generated immediately on a pass/fail basis to teachers, principals, district personnel and state administrators. Also, the system has the ability to provide the student with a progress report AND prescription for the sections of the test NOT mastered. The prescription would include help curricula available in current tests and in the WICAT computer-assisted curricula. Remediation via the CAI curricula could be part of the package as well.

The software can be "tailor made" to state standards.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

SCHOOL DISTRICT	SCHOOL	SUBJECT AREAS EMPHASIZED	EQUIPMENT MODEL/QUANTITY
Sumter 2 (Contact: Brenda Logan 460-6900)	Cherryvale El. R.E. Davis El. Delaine El. Manchester El. Mayesville El. Oakland El. Rafting Creek El. St. John El. Shaw Heights El. High Hills Middle	Language Arts Reading Math Writing	System 300 (all ten schools)
Lexington 2 (Contact: Jimmy Quinn 796-4708)	C.B. Busbee Middle R.H. Fulmer Middle Northside Middle Pineridge Middle	Reading Language Arts Writing Typing Computer Literacy	System 300 (all four schools)

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE: (continued)

SCHOOL DISTRICT	SCHOOL	SUBJECT AREAS EMPHASIZED	EQUIPMENT MODEL/QUANTITY
Greenville (Contact: Horace Butler 242-6450, or principal at each of the three schools)	Greenville High	Math -Alg. II Gen. Math, Geom.	System 300 (all three schools)
	Hughes Middle	Reading, Math Language Arts Spelling, French	
	Blythe El.	Language Arts Reading, Writing Spelling, Math	
Pickens (Contact: Glenn Turner 859-2340)	McKissick El.	Language Arts Reading, Writing Spelling, Math	System 300 (one school)

C. FUTURE PLANS

Expanded courseware in remediation and gifted and talented areas (as well as mainstream) is planned. WICAT is continually updating courseware and introducing new courseware. Additional Computerized Adaptive Testing Packages for more accurate, more timely and less time-consuming testing is all being developed.

D. STUDENT GAINS/RESULTS OF PROJECT

Since the programs have only been in use in South Carolina less than two years, no data is available from South Carolina sites at this time.

E. OTHER COMMENTS

These issues vary dramatically based on the intended use and application of WICAT products. All of the above components are included as part of the purchase price. WICAT welcomes the opportunity to demonstrate the depth and breadth of the material at local district convenience. Call 803-232-6391